SAMASUNG SV-400G

MODEL

SERVICE MANUAL

2. Reference Information

2-1 Servicing Jigs and Special Tools

2-1-1 Servicing guide

1. For this VCR chassis, the program switch and the sensors (start/end/reel) are located on the main PCB, not on the deck ass'y.

2. As long as the deck ass'y is connected to the main PCB, all repairs are possible.
   Important : In order to repair the main PCB without the deck ass'y connected, the X-5 chassis jig should be used.

3. To emulate the function of the sensors, connect a jumper or solder land (two point) at service option(W750) on the function-timer PCB.

4. The X-5 chassis jig can be used for the following :

1) When repairing or confirming the operation of the deck ass'y.
2) When replacing or repairing the components located under the deck ass'y.
3) When repairing the function PCB.

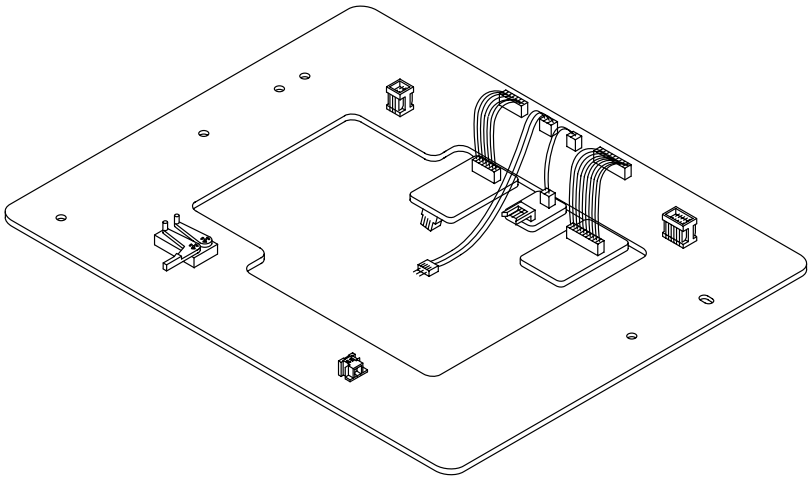
5. The X-5 chassis jig can not be used for the following :

1) Repairing defects in the video section.
2) Repairing defects in the audio section.
3) If the defect is related to tape speed.

Note :
1) Repair may not be possible if there is external noise between the deck ass'y and main PCB.
2) If tape control signal is not connected to the jig, the VCR must be operated in SP mode.

2-1-2 Servicing Jig

Jig Item	Part No.	Use
X-5 Chassis Jig	68140-500-013	Connects the deck ass'y to the main PCB connecting cable.



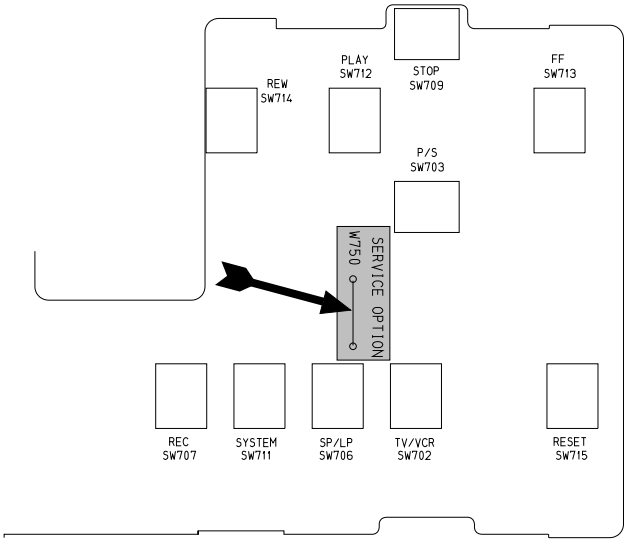
2-1-4 How to Connect X-5 chassis jig

1. Unplug the power cord from AC outlet.

2. Remove the deck ass'y from main PCB (See Page 4-5 of service manual).

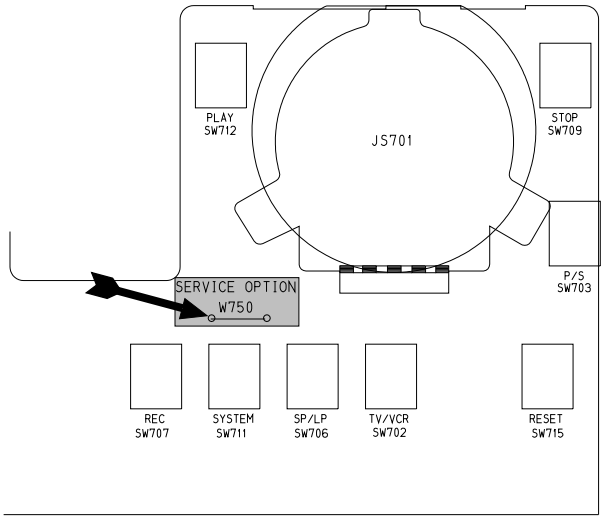
3. To emulate the function of the sensors, place a jumper or solder land (two point) at service option(W750) on the function-timer PCB. (see diagram below).

SV-A20GK/A60GK
SV-200G/400G



Function-Timer (Component side)

SV-A40GK/A80GK
SV-205G/405G



Function-Timer (Component side)

Note : After completing repairs, SW715 on the function PCB in order to reset.

4. Insert wafers of drum motor, capstan motor and loading motor on X-5 chassis jig into each of the connectors of deck ass'y, and then secure with three screws.

5. Solder the 3 leads of the jig cable to "CN605" on the main PCB.

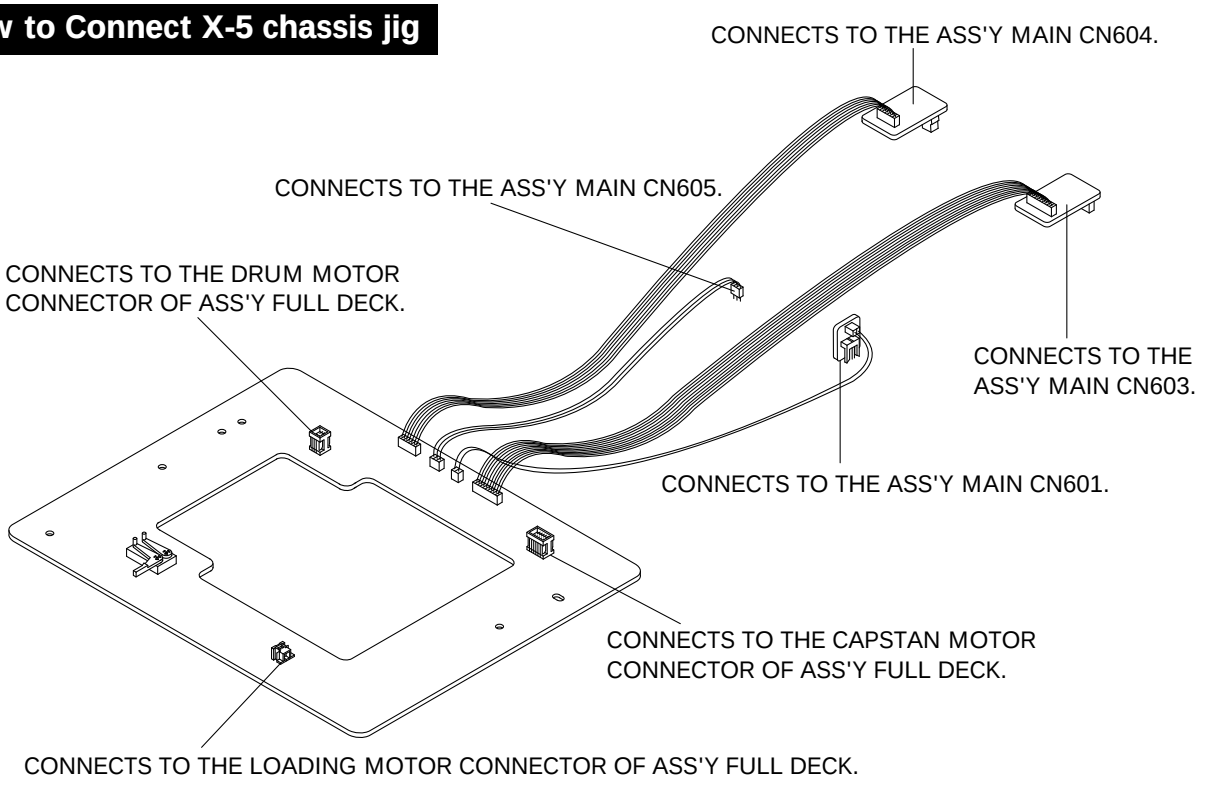
6. Apply power to the function PCB.

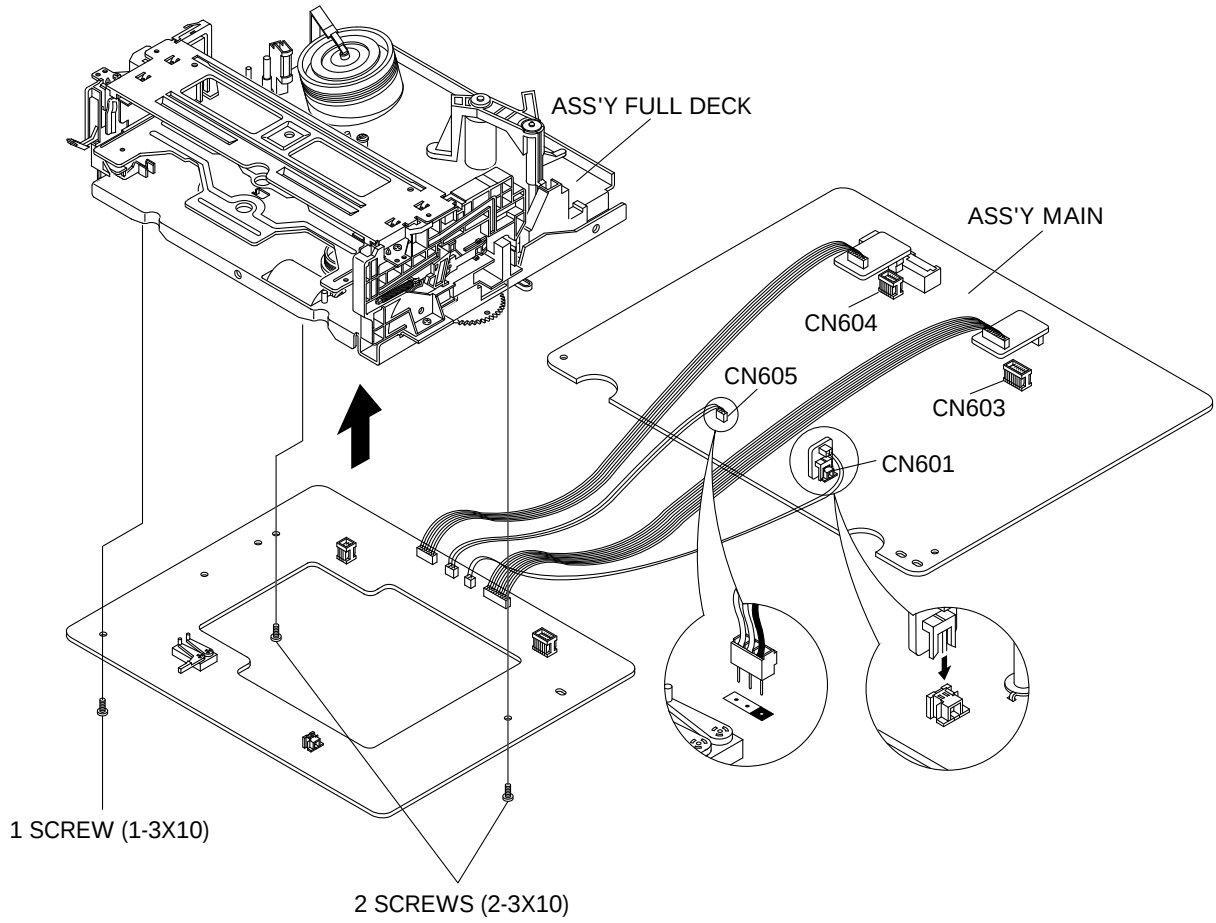
7. Insert a test tape into the housing ass'y.

8. Simultaneously touch the start and end sensor LEDs on the PCB, so that the tape loads automatically. After the tape is loaded, all of the function buttons on the function PCB can be used.

9. If the test tape is ejected while the jig is in use, attempt to re-load the tape by simultaneously touching the start and end sensor LEDs. If the tape still does not load, reset the function PCB by pressing SW715.

How to Connect X-5 chassis jig


CONNECTS TO THE ASS'Y MAIN CN604.
CONNECTS TO THE ASS'Y MAIN CN605.
CONNECTS TO THE DRUM MOTOR CONNECTOR OF ASS'Y FULL DECK.
CONNECTS TO THE ASS'Y MAIN CN603.
CONNECTS TO THE ASS'Y MAIN CN601.
CONNECTS TO THE CAPSTAN MOTOR CONNECTOR OF ASS'Y FULL DECK.
CONNECTS TO THE LOADING MOTOR CONNECTOR OF ASS'Y FULL DECK.



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3. Product Specifications and Comparison Chart

3-1 Product Specifications

Design and specifications are subject to change without notice.

Operation	Description
Format	VHS PAL/MESECAM standard
Heads	Video : SV-A20G/A40G/200G/205G - 2 rotary heads SV-A40G/A80G/400G/405G - 4 rotary heads Audio/Control : 1 stationary head Erase : 1 full track erase head
Receiving channel	VHF-I, VHF-III, UHF, Hyperband
Television system	STANDARD B/G
Luminance	FM azimuth recording
Colour system	PAL/MESECAM : Down converted subcarrier phase shifted direct recording NTSC PB on PAL TV
Tape speed	SP : 23.39 mm/sec, LP : 11.69 mm/sec
Recording/playback time	SP : 3 hours (E-180 Tape), LP : 6 hours (E-180 Tape)
F.F/REW time	About 100-190 sec in REW/F.F with E-180
VIDEO	
Input Output Signal-to-noise ratio Horizontal resolution	0.5 to 2.0 Vp-p : 75 ohm unbalanced 1.0 ± 0.2 Vp-p : 75 ohm unbalanced Better than 43 dB (SP) More than 240 lines (SP)
Audio	
Input Output Wow and flutter (WTD) Signal-to-noise ratio Frequency response	-8 dBm, 47 Kohm unbalanced -8 ± 3 dBm, 1 Kohm unbalanced 0.4% max (SP) 42 dB min (IHF A filter) 100Hz-8KHz
Power requirement	230V (AC 50/60 Hz)
Power consumption	Approx. 18 watts
Operation temperature	41°F-104°F (5°C-40°C)
Operation humidity	10%-75%
Weight	4.4 Kg (net)
Dimensions (W x H x D)	380 x 90.5 x 310 mm

3-2 Comparison Chart

FUNCTION / MODEL	SHUTTLE	AUDIO DUBBING	VPS	SLOW	SHOW VIEW	ATS	JUST REC	FRONT A/V	REAR JACK	TAPE SPEED	DLC	REMARK
SV-A20GK/SEH (SV-200G)	X	X	X	O	X	X	X	X	1 SCART	SP	O	
SV-A20GK/POL (SV-200G)	X	X	X	O	X	X	X	X	1 SCART	SP	O	
SV-A40GK/SEH (SV-205G)	O	O	X	O	O	X	X	O	1 SCART	SP	O	
SV-A40GK/POL (SV-205G)	O	O	X	O	O	X	X	O	1 SCART	SP	O	
SV-A60GK/SEH (SV-400G)	X	X	X	O	X	X	O	X	1 SCART	SP/LP	O	
SV-A60GK/POL (SV-400G)	X	X	X	O	X	X	O	X	1 SCART	SP/LP	O	
SV-A80GK/SEH (SV-405G)	O	O	O	O	O	O	O	O	1 SCART	SP/LP	O	
SV-A80GK/POL (SV-405G)	O	O	O	O	O	O	O	O	1 SCART	SP/LP	O	

4. Disassembly and Reassembly

4-1 Cabinet Assembly

Note : Disassemble in the order shown.
Reassemble in reverse order.

4-1-1 Cabinet Top removal

1. Remove 5 screws and slide the top cabinet to the rear to remove.

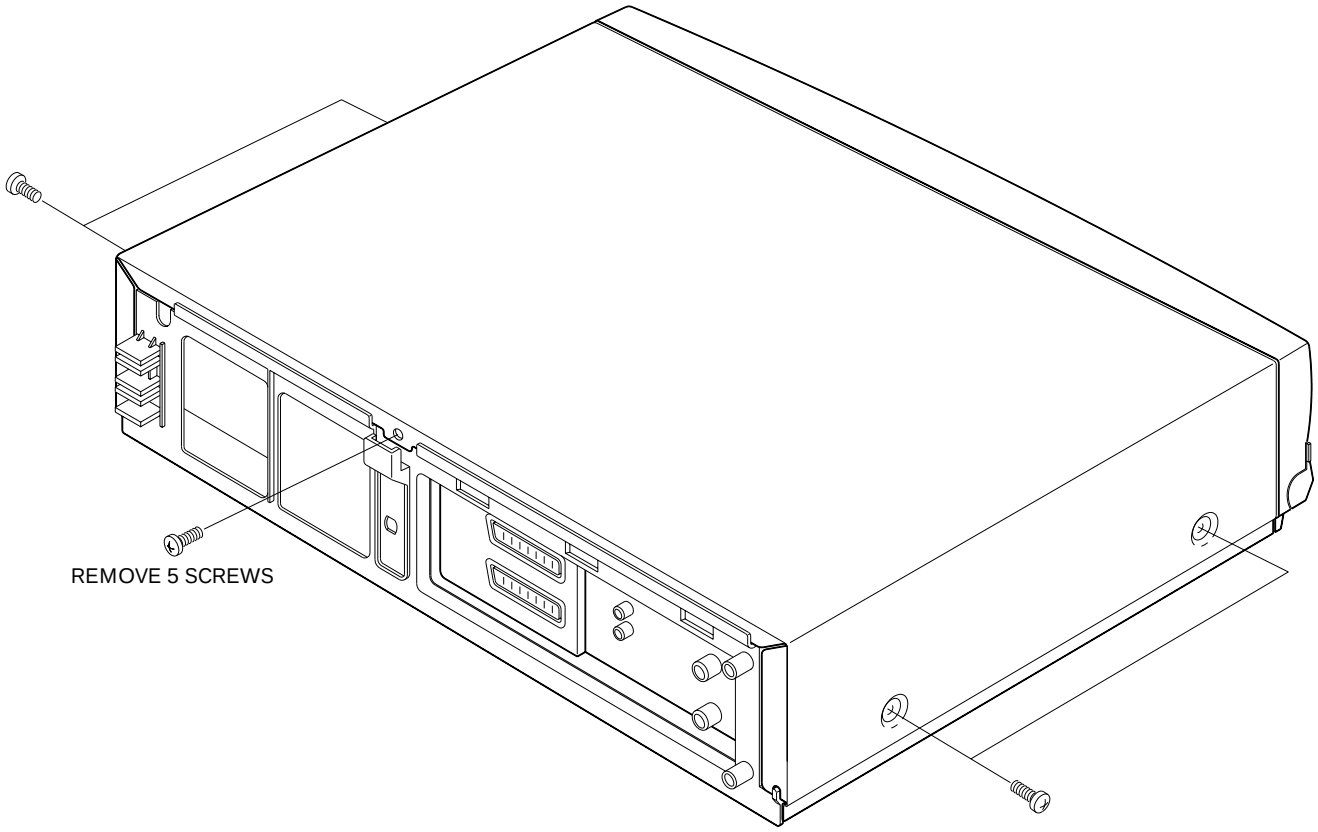
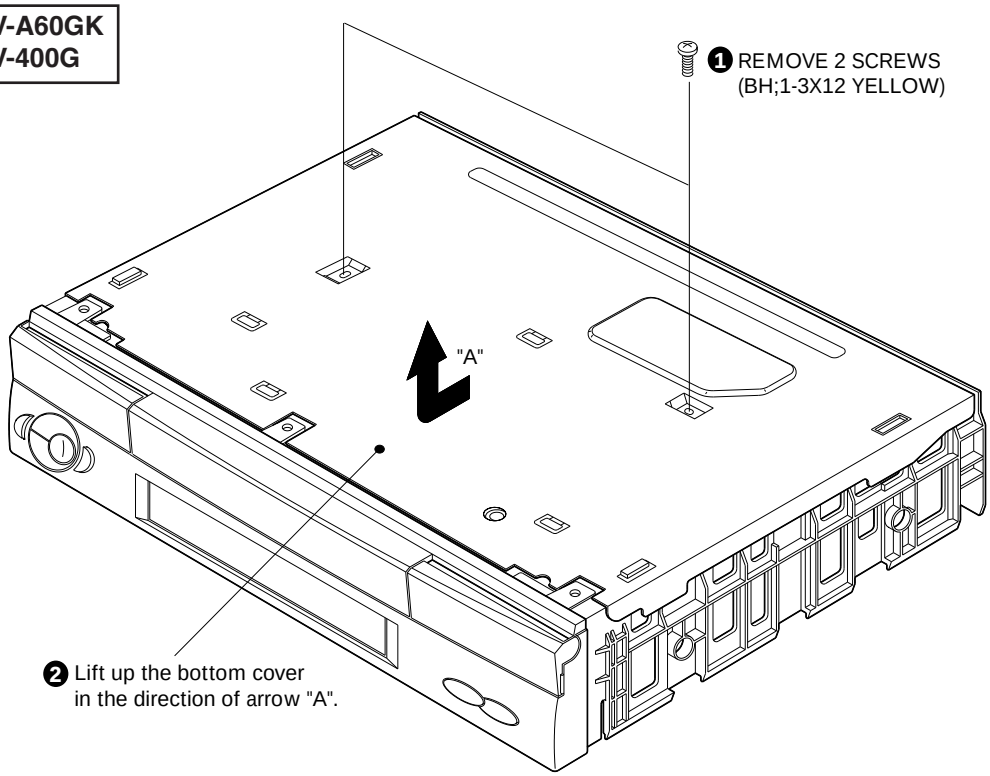


Fig. 4-1 Cabinet Top removal

4-1-2 Bottom cover removal

1. Remove 2 screws.
2. Lift up the bottom cover toward arrow "A".

SV-A20GK/SV-A60GK
SV-200G/SV-400G



SV-A40GK/SV-A80GK
SV-205G/SV-405G

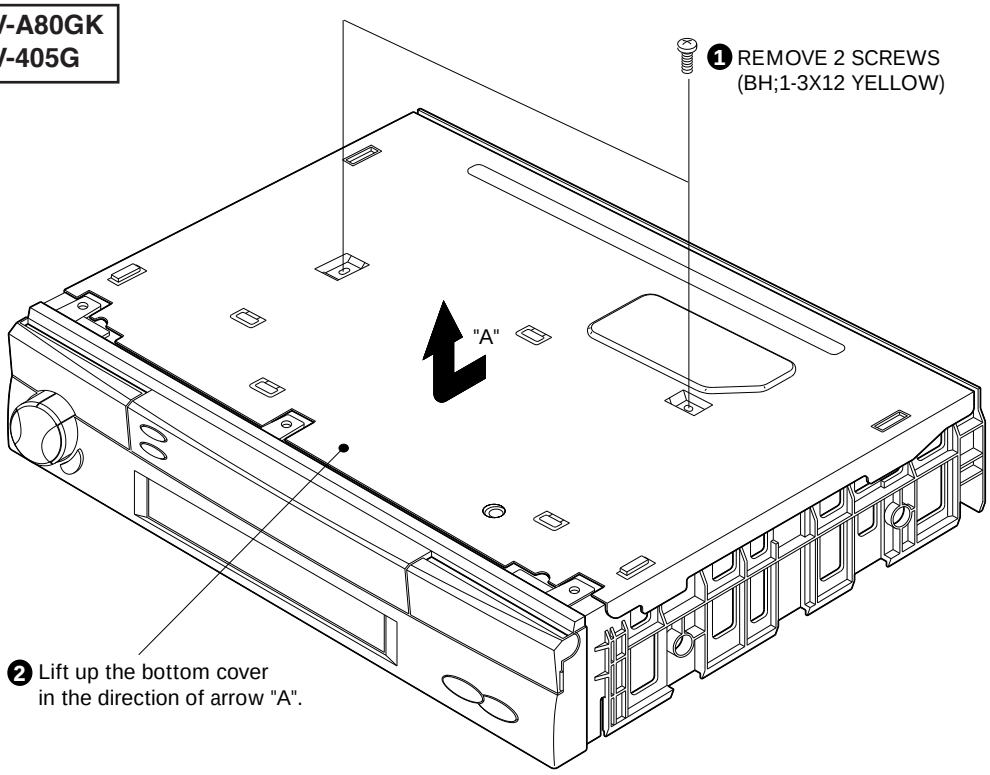
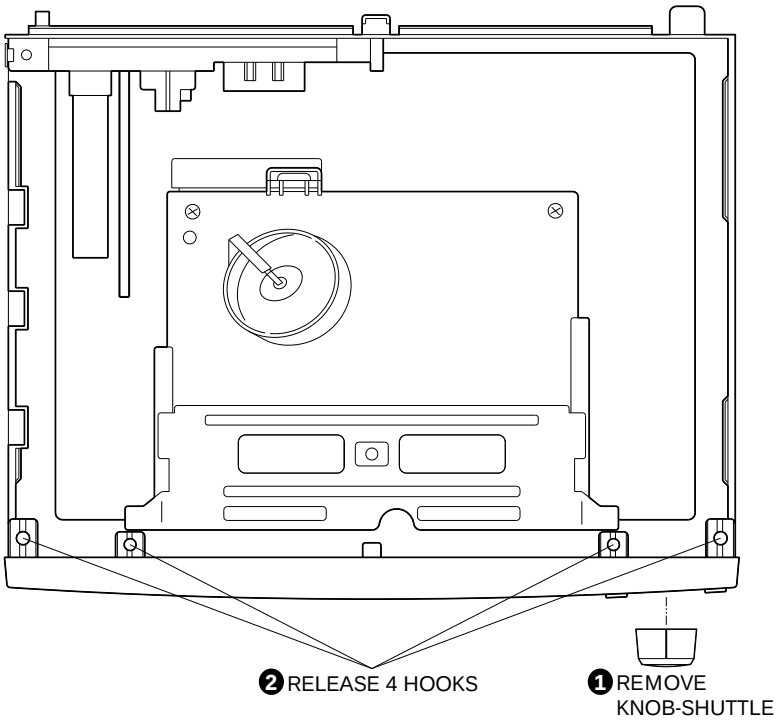


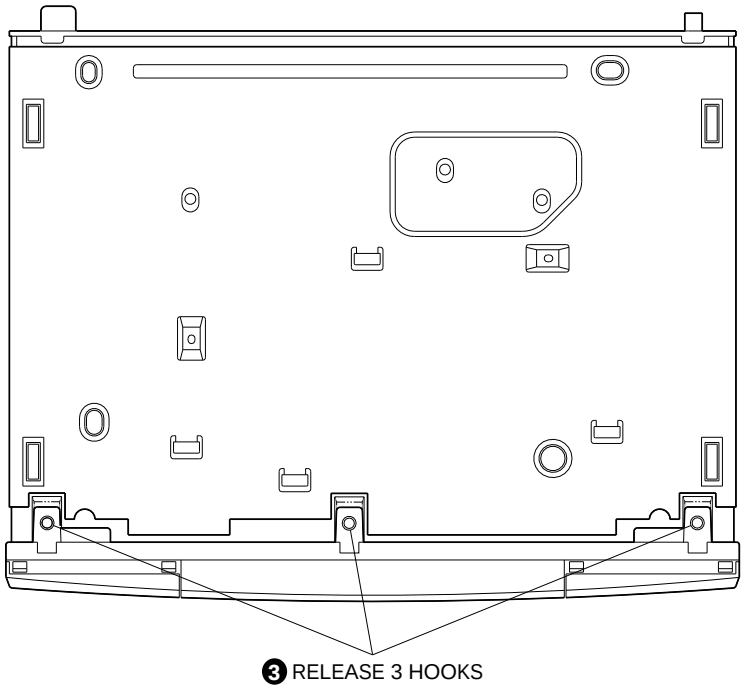
Fig. 4-2 Bottom Cover removal

4-1-3 Ass'y Front Panel removal

1. Remove the knob-shuttle.
2. Release 4 hooks on the top side and 3 hooks on the bottom side and then, pull the ass'y front panel to remove.



(Top view)



(Bottom view)

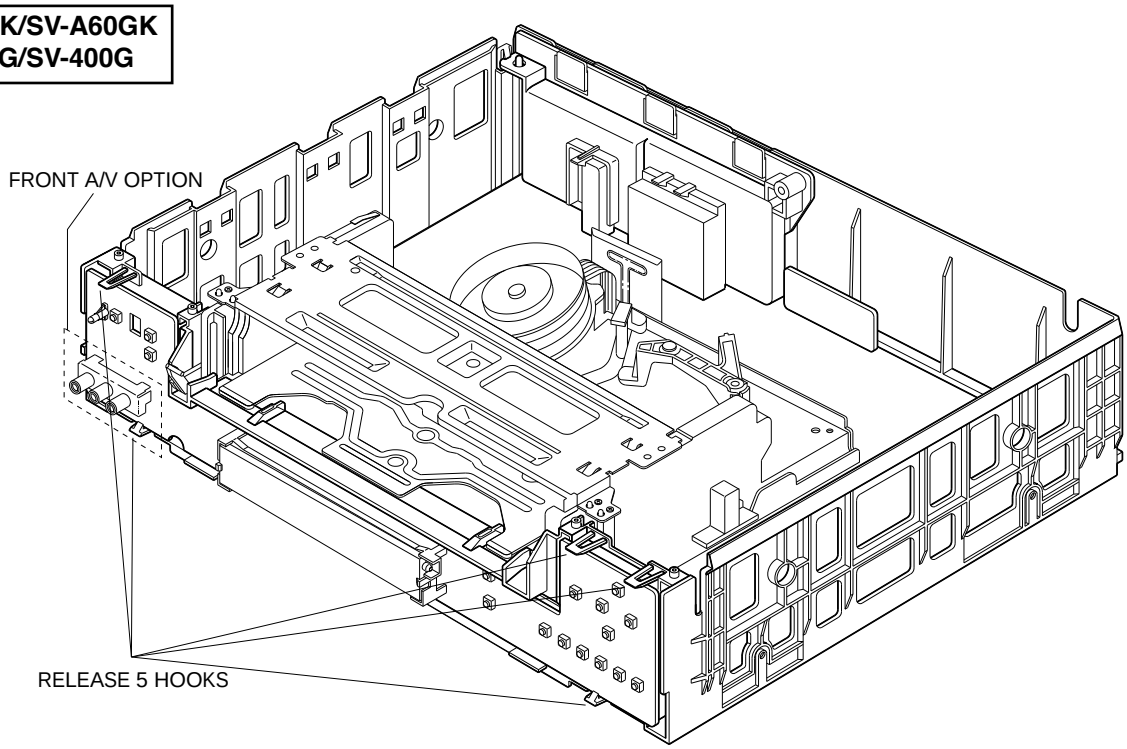
Fig. 4-3 Ass'y Front Panel removal

4-1-4 Ass'y Function-Timer removal

1. Release 5 hooks and remove the ass'y function-timder.

Note : Take extreme care not to damage the PCB when removing it.

SV-A20GK/SV-A60GK
SV-200G/SV-400G



SV-A40GK/SV-A80GK
SV-205G/SV-405G

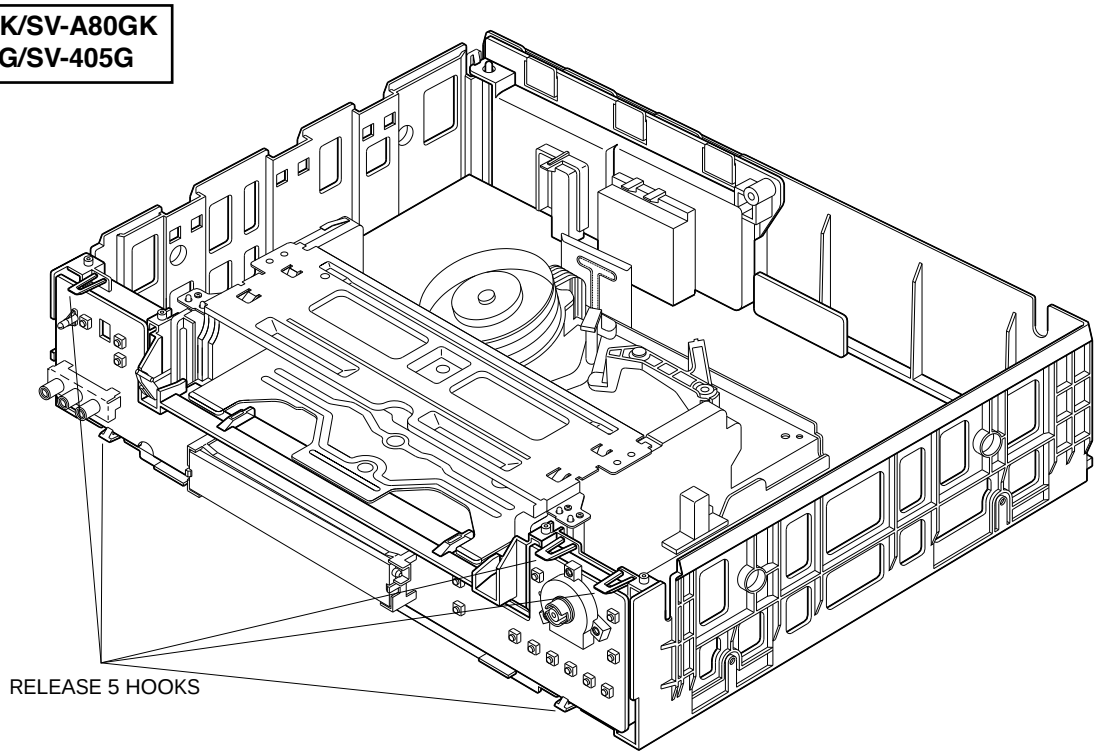


Fig. 4-4 Ass'y Function-Timer removal

4-1-5 Chassis removal

1. Remove 2 screws holding the bottom cover.
2. Remove 2 screws holding the frame.
3. Remove 2 screws holding the housing ass'y.
4. Remove 2 screws holding the ass'y full deck.
5. Lift the ass'y full deck up.
6. Release 1 tab holding the connector board ass'y.
7. Release 1 hook holding the ass'y main.
8. Lift the ass'y main up to remove.

Note : 1. When removing chassis, take extreme care not to damage the main PCB front.
2. When reinstalling the deck on the main PCB, take extreme care not to damage the sensor.

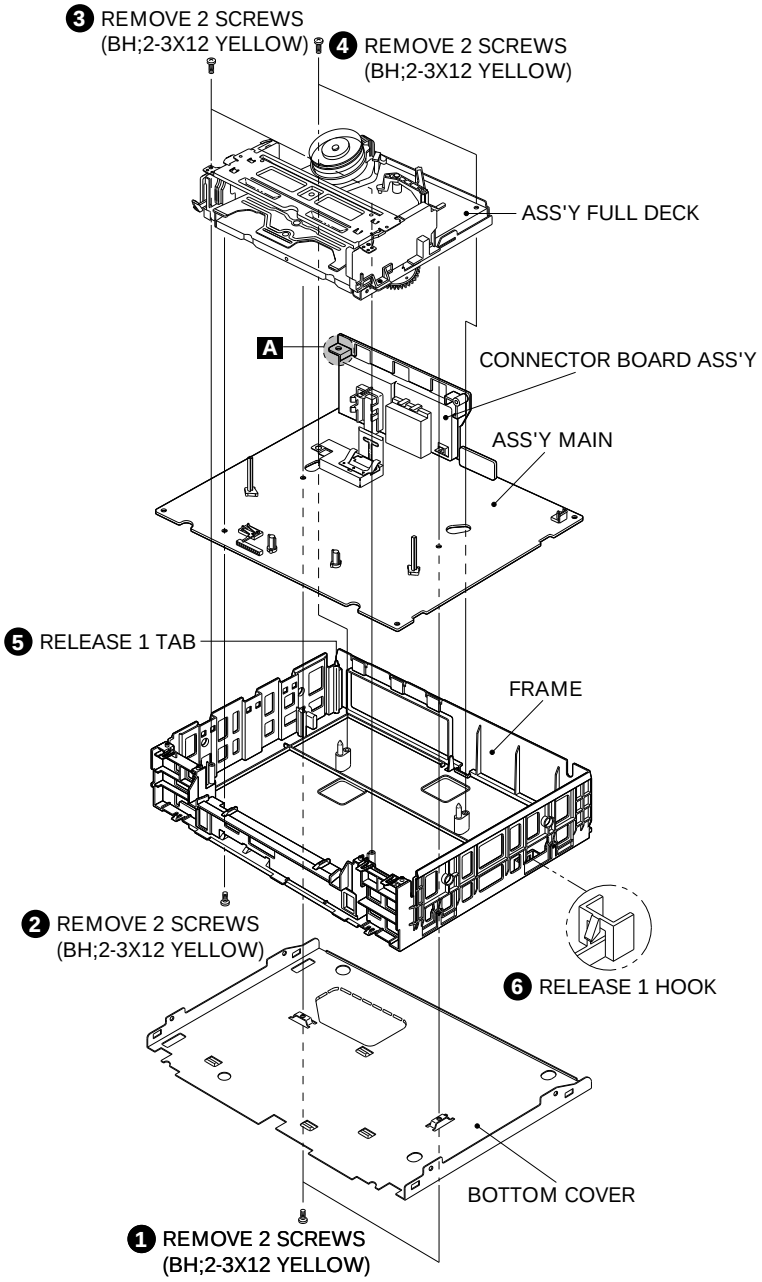


Fig. 4-5 Chassis Removal

4-2 Circuit Board Locations

SV-A20GK/SV-A60GK
SV-200G/SV-400G

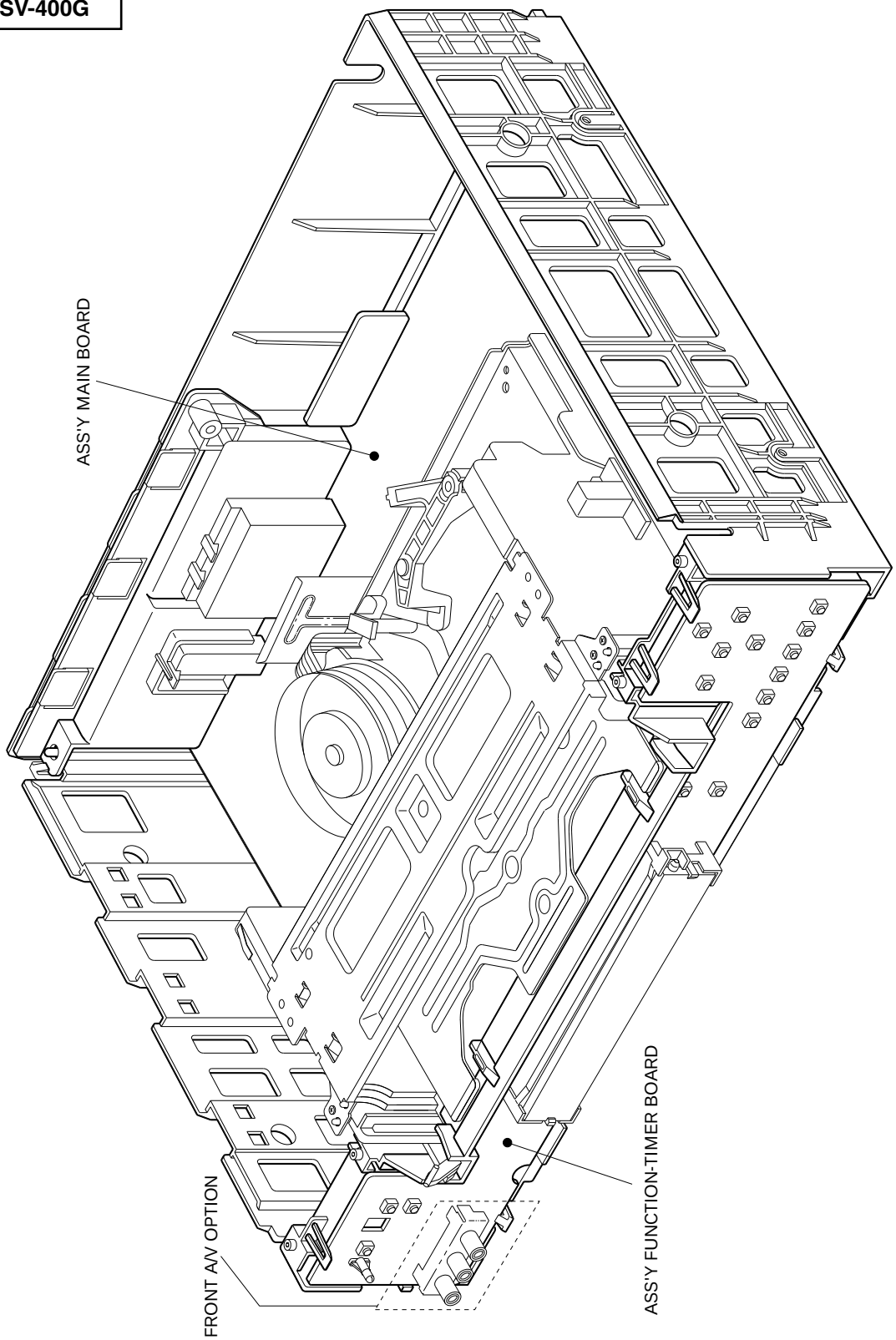


Fig. 4-6 Circuit Board Locations

SV-A40GK/SV-A80GK
SV-205G/SV-405G

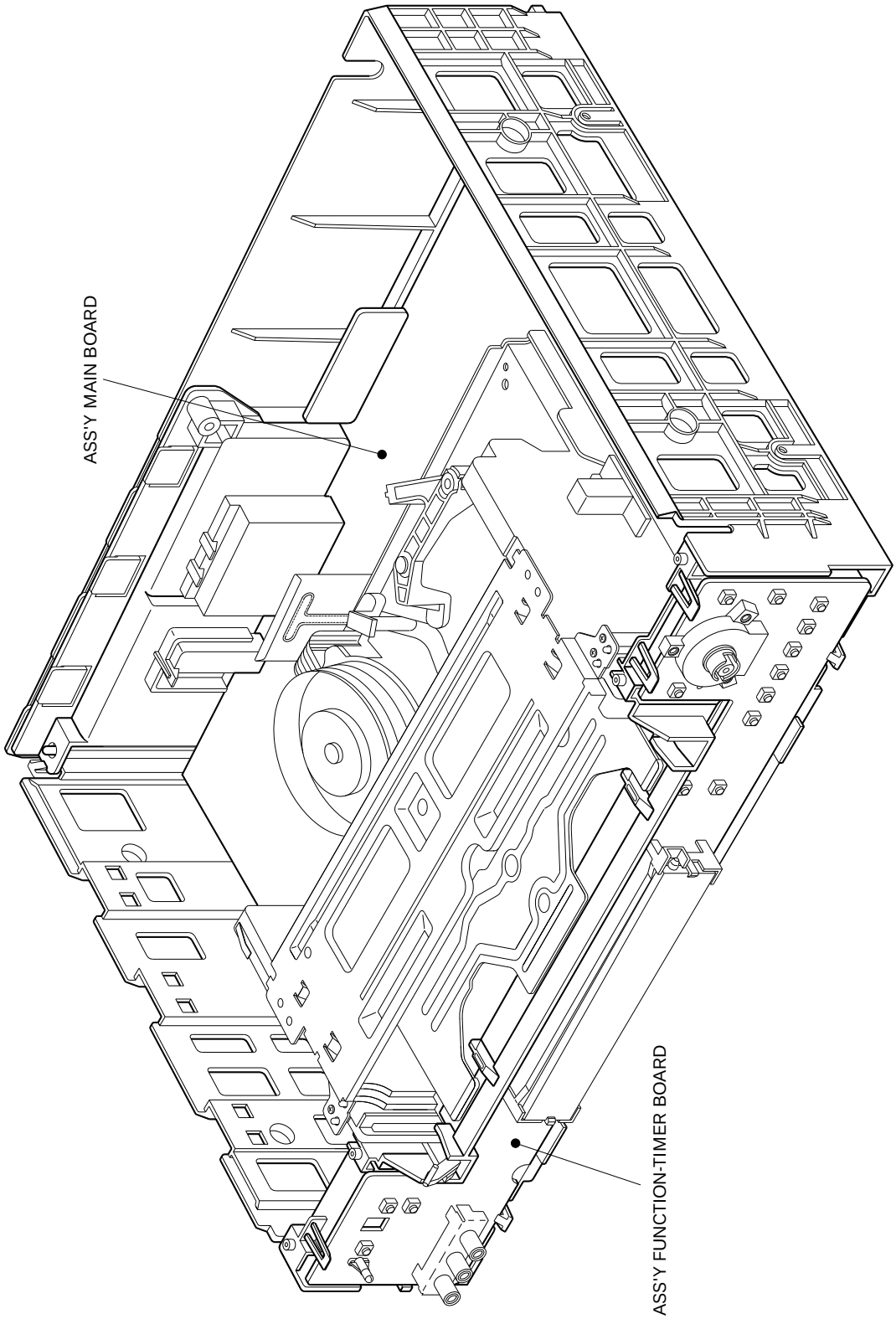


Fig. 4-6 Circuit Board Locations

MEMO

5. Alignment and Adjustment

Note : After replacing the ass'y full deck, the ass'y main, the cylinder ass'y and the micom(IC601), the remote control ass'y can be used to adjust the "X-point (tracking center) adjustment" and "Head S/W point" adjustment.

5-1 Reference

5-1-1 The type of remote control ass'y

1. Remote control ass'y (AC93-10039Y/69099-633-252) is specified as a service jig in the service manual of X-5/X-6(DX5-R/DX5-RC/DX6-R/DX6-RC) chassis. (See Fig. 5-1)
2. Normal remote control ass'y for X-7/X-8 (DX7-R/DX7-RC/DX8-R/DX8-RC) chassis. (See Fig. 5-2)

5-1-2 How to identify between normal remote control ass'y and multi remote control ass'y for X-7/X-8 chassis (See Fig. 5-2)

1. The color of some buttons related to TV function are gold.
2. Audio button is added instead of the test button hidden behind of inlay.
3. The positions of some buttons are different.

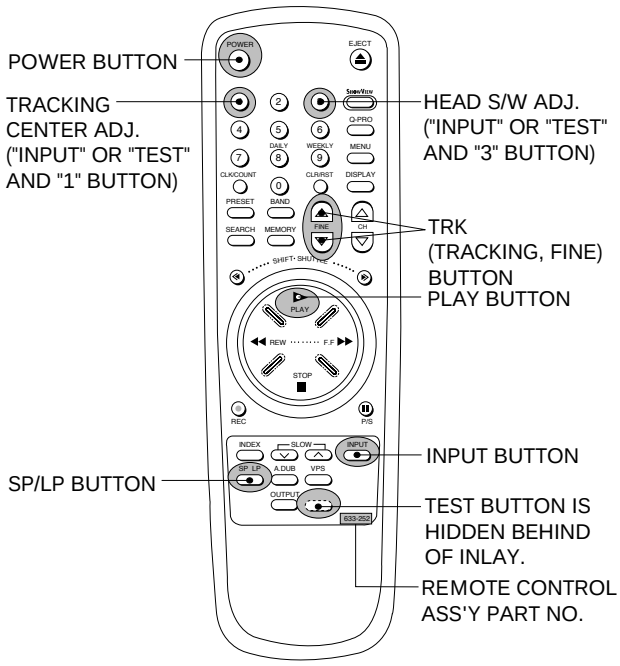

POWER BUTTON
TRACKING CENTER ADJ. ("INPUT" OR "TEST" AND "1" BUTTON)
HEAD S/W ADJ. ("INPUT" OR "TEST" AND "3" BUTTON)
TRK (TRACKING, FINE) BUTTON
PLAY BUTTON
INPUT BUTTON
SP/LP BUTTON
TEST BUTTON IS HIDDEN BEHIND OF INLAY.
REMOTE CONTROL ASS'Y PART NO.

Fig. 5-1 Remote Control Ass'y Jig for X-5/X-6 Chassis (AC93-10039Y/69099-633-252)

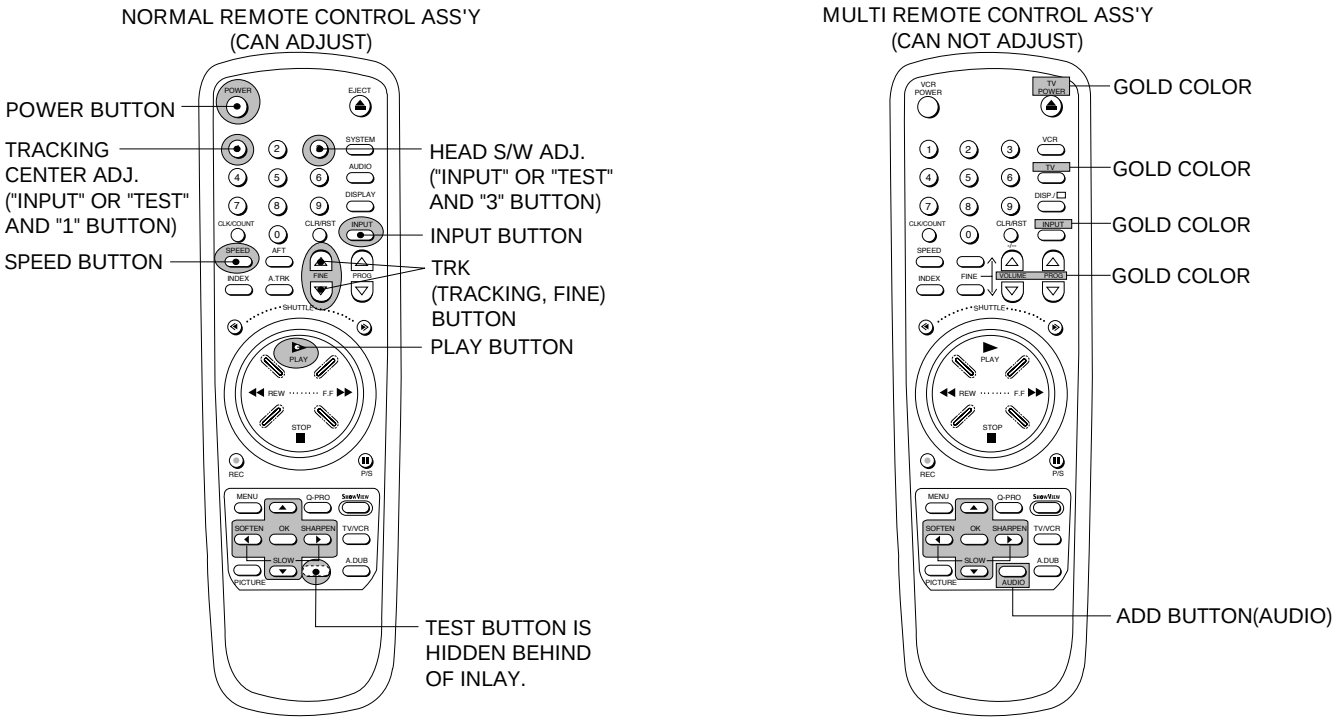

NORMAL REMOTE CONTROL ASS'Y (CAN ADJUST)
POWER BUTTON
TRACKING CENTER ADJ. ("INPUT" OR "TEST" AND "1" BUTTON)
SPEED BUTTON
HEAD S/W ADJ. ("INPUT" OR "TEST" AND "3" BUTTON)
INPUT BUTTON
TRK (TRACKING, FINE) BUTTON
PLAY BUTTON
TEST BUTTON IS HIDDEN BEHIND OF INLAY.
MULTI REMOTE CONTROL ASS'Y (CAN NOT ADJUST)
GOLD COLOR
GOLD COLOR
GOLD COLOR
GOLD COLOR
ADD BUTTON(AUDIO)

Fig. 5-2 Remote Control Ass'y for X-7/X-8 Chassis

5-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual "DX7-R/DX7-RC/DX8-R/DX8-RC (AC68-20316A)" for the adjustment and confirmation of ass'y full deck.

5-2-1 The number and position of test point

Test point : TP02 (CTL Pulse)
TP03 (H'D S/W -Trigger)
TP04 (V. Envelope)
TP05 (Audio out)

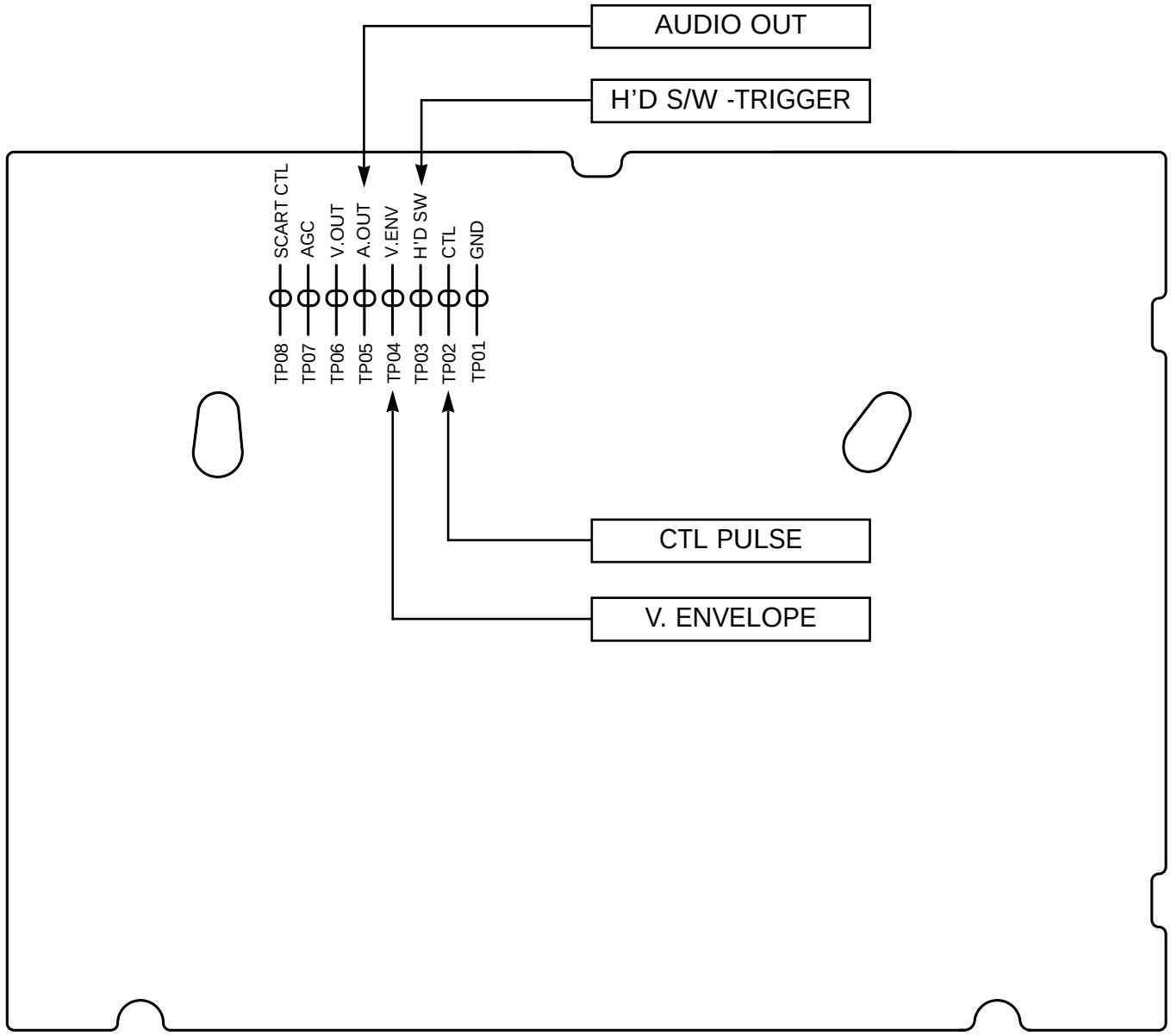


Fig. 5-3 The position of test point (Main PCB-Component side)

5-2-2 X-Point(Tracking center) adjustment (See the 2-2-1 (d) AC HEAD POSITION(X-POINT) ADJUSTMENT on page 2-3 of the mechanical manual)

5-2-2 (a) IF THE REMOTE CONTROL ASS'Y IS NOT AVAILABLE

1. Playback the colorbar alignment tape.
2. Connect CH-1 scope probe to "TP02" and CH-2 scope probe to "TP03". And then, trigger head switching pulse.
3. Set tracking preset to 11msec (2head : 2.7msec, 4, 6head : 11msec) using the "**FINE(Tracking, TRK)**" button ▲ / ▼ of the other remote control ass'y except the remote control ass'y jig for X-5/X-6 chassis and the normal remote control ass'y for X-7/X-8 chassis.
4. Connect CH-1 scope probe to "TP02" and the CH-2 to "TP03" trigger on CH-1.
5. Insert the adjusting driver (+) into X-position adjusting gear. Adjust the driver in either direction for maximum envelope waveform.

Note : Since the adjusting gear unit may be damaged, do not adjust by force when adjusting the X-point using the adjusting driver (+). After turn the X-point adjusting screw (D) counterclockwise a little, perform the adjustment. After adjustment is completed, tighten the screw.

<Setting of scope>
- Volt/div. : CH-1 = 0.1V, CH-2 = 0.2V
- Time/div. : 5msec

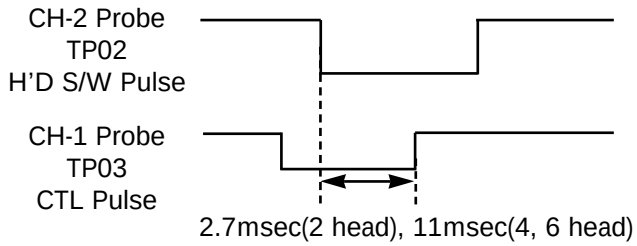


Fig. 5-4 Tracking preset adjustment

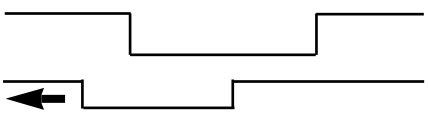
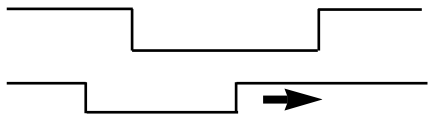
REMOTE BUTTONS	CONTROL PULSE REMOVE
PUSH ▲ TRACKING ▼	
▲ TRACKING ▼ PUSH	

Fig. 5-5 Tracking preset adjustment

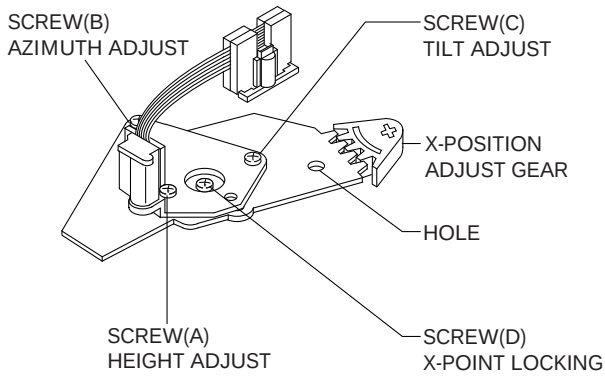


Fig. 5-6 Location of A/C Head adjustment screw

5-2-2 (b) IF THE REMOTE CONTROL ASS'Y (AC93-10039Y/69099-633-252) IS AVAILABLE

Note : How to use the "**TEST**" button.
1. Disattach the inlay of remote control ass'y. (See Fig. 5-1 and Fig. 5-2)
2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)

1. When using the "**INPUT**" button of remote control ass'y;

1) Simultaneously press the "**INPUT**" button and "**1**" button in PB mode.
   This will adjust the tracking center automatically.
2) Set the tracking preset using the "**FINE**(**Tracking, TRK**)" button of remote control.
3) After adjustment is completed, press the "**POWER**" button to release.

2. When using the "**TEST**" button of remote control ass'y ;

1) Simultaneously press the "**TEST**" button and "**5**" button in PB mode.
   This will adjust the tracking center automatically.
2) Set the tracking preset using the "**FINE** (**Tracking, TRK**) button of remote control.
3) After adjustment is completed, press the "**POWER**" button to release.

5-2-2 (b) IF THE NORMAL REMOTE CONTROL ASS'Y OF X-7/X-8(DX7-R/DX7-RC/ DX8-R/DX8-RC) CHASSIS IS AVAILABLE

Note 1 : Two kinds of remote control ass'y are used for X-7/X-8(DX7-R/DX7-RC/DX8-R/ DX8-RC) chassis.

1. One is a normal remote control ass'y, the other is a multi remote control ass'y
2. All adjustments are adjusted by normal remote control ass'y only.
3. For the identification of normal remote control ass'y and multi remote control ass'y, See page 5-1.

Note 2 : How to use the "**TEST**" button.

1. Disattach the inlay of remote control ass'y. (See Fig. 5-1 and Fig. 5-2)
2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)

1. When using the "**INPUT**" button of remote control ass'y;

1) Simultaneously press the "**INPUT**" button and "**1**" button in PB mode.
   This will adjust the tracking center automatically.
2) Set the tracking preset using the "**FINE**(**Tracking, TRK**)" button of remote control.
3) After adjustment is completed, press the "**POWER**" button to release.

2. When using the "**TEST**" button of remote control ass'y ;

1) Simultaneously press the "**TEST**" button and "**5**" button in PB mode.
   This will adjust the tracking center automatically.
2) Set the tracking preset using the "**FINE** (**Tracking, TRK**) button of remote control.
3) After adjustment is completed, press the "**POWER**" button to release.

5-3 Electrical Adjustment

5-3-1 Head S/W Adjustment

Note : Only remote control ass'y can adjust.

5-3-1 (a) IF REMOTE CONTROL ASS'Y (AC93-10039Y/69099-633-252) IS AVAILABLE

1. When using the "**INPUT**" button of remote control ass'y ;

1) Insert an SP tape into the housing ass'y.
2) Press the "**PLAY**" button.
3) Press the "**INPUT**" button and "**3**" button simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After the adjustment is completed, press "**POWER**" button to release.

2. When using the "**TEST**" button of remote control ass'y ;

1) Insert an SP tape into the housing ass'y.
2) Press the "**PLAY**" button.
3) Press the "**TEST**" button and "**SP/LP**" button simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After adjustment is completed, press the "**POWER**" button to release.

5-3-1 (b) IF NORMAL REMOTE CONTROL ASS'Y FOR X-7/X-8(DX7-R/DX7-RC/ DX8-R/DX8-RC) CHASSIS IS AVAILABLE

1. When using the "**INPUT**" button of remote control ass'y ;

1) Insert an SP tape into the housing ass'y.
2) Press the "**PLAY**" button.
3) Press the "**INPUT**" button and "**3**" button simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After the adjustment is completed, press "**POWER**" button to release.

2. When using the "**TEST**" button of remote control ass'y ;

1) Insert an SP tape into the housing ass'y.
2) Press the "**PLAY**" button.
3) Press the "**TEST**" button and "**SPEED**" button simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After adjustment is completed, press the "**POWER**" button to release.

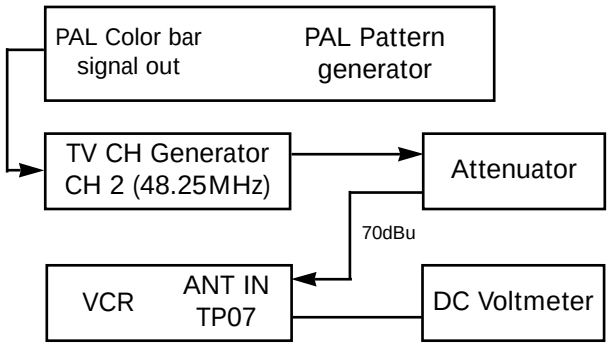
5-3-2 RF AGC Adjustment

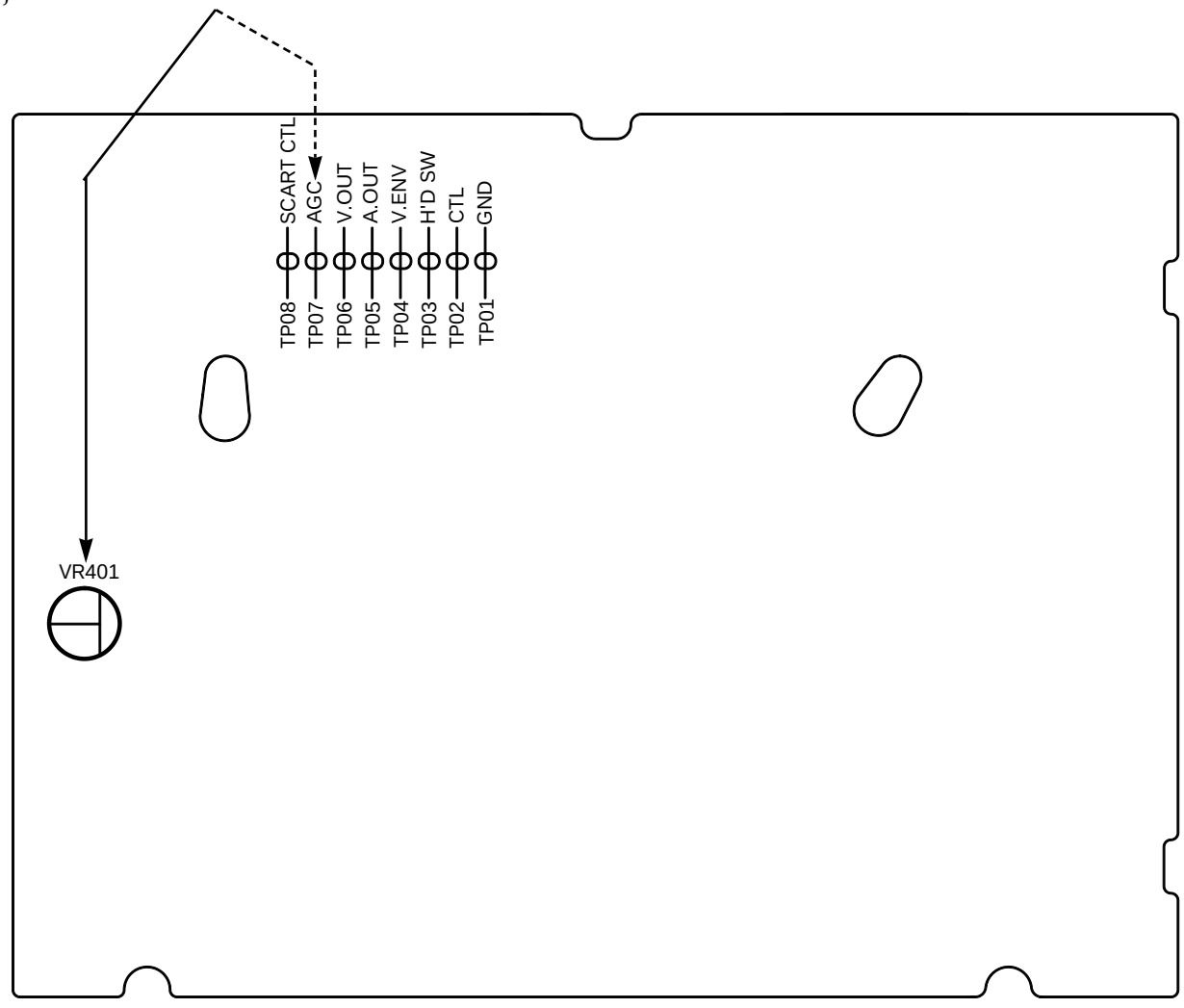
Step	Adjustment Item
1. Mode and input signal/ alignment tape 2. Test point and ADJ. part 3. Result and Remarks	ADJ. point Test point

5-3-2 (a) ADJUSTMENT PROCEDURES

1. "E-E" (stop mode), RF signal.
2. TP07 and VR401.
3. Apply PAL color bar signal to the video input terminal of the TV channel generator and set channel selector to CH 2 (48.25MHz).
4. Adjust the point signal level so that the output of attenuator is 70dBu.
5. Apply the output of attenuator to the ANT IN terminal of VCR.
6. Set the channel of VCR to CH 2.
7. Connect DC voltmeter to TP07.
8. Adjust VR401 for DC 3.7 ± 0.1V.

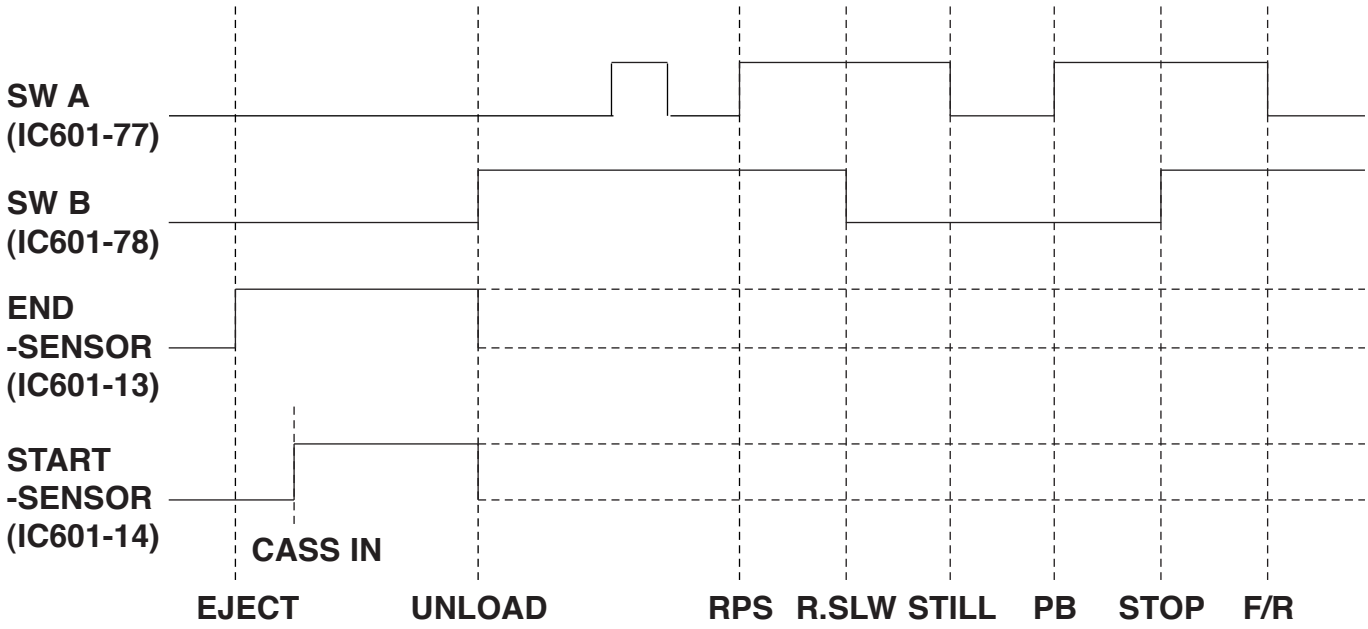
*** Composition for RF AGC adjustment**





Main PCB (Component side)

5-4 Timing Chart of Program S/W



Position	Program S/W (SW601)				Action Mode
	E/S	S/S	SW A	SW B	
Eject	L	L	L	L	Eject
Cassette IN	H	L H	L	L	Cassette IN
Unload	-	-	L	L H	Unload
R. PS	-	-	L H	H	R. PS, Z-R. PS
R. Slow	-	-	H	H L	Pinch Roller off Position
Still	-	-	H L	L	Still, Slow, F-ADV
Play	-	-	L H	L	PB, T-Stop, REC, Pause, F. PS, Z-FPS
Stop	-	-	H	L H	Stop, Power off
FF/REW	-	-	H L	H	FF, REW

MEMO

6. Exploded View and Parts List

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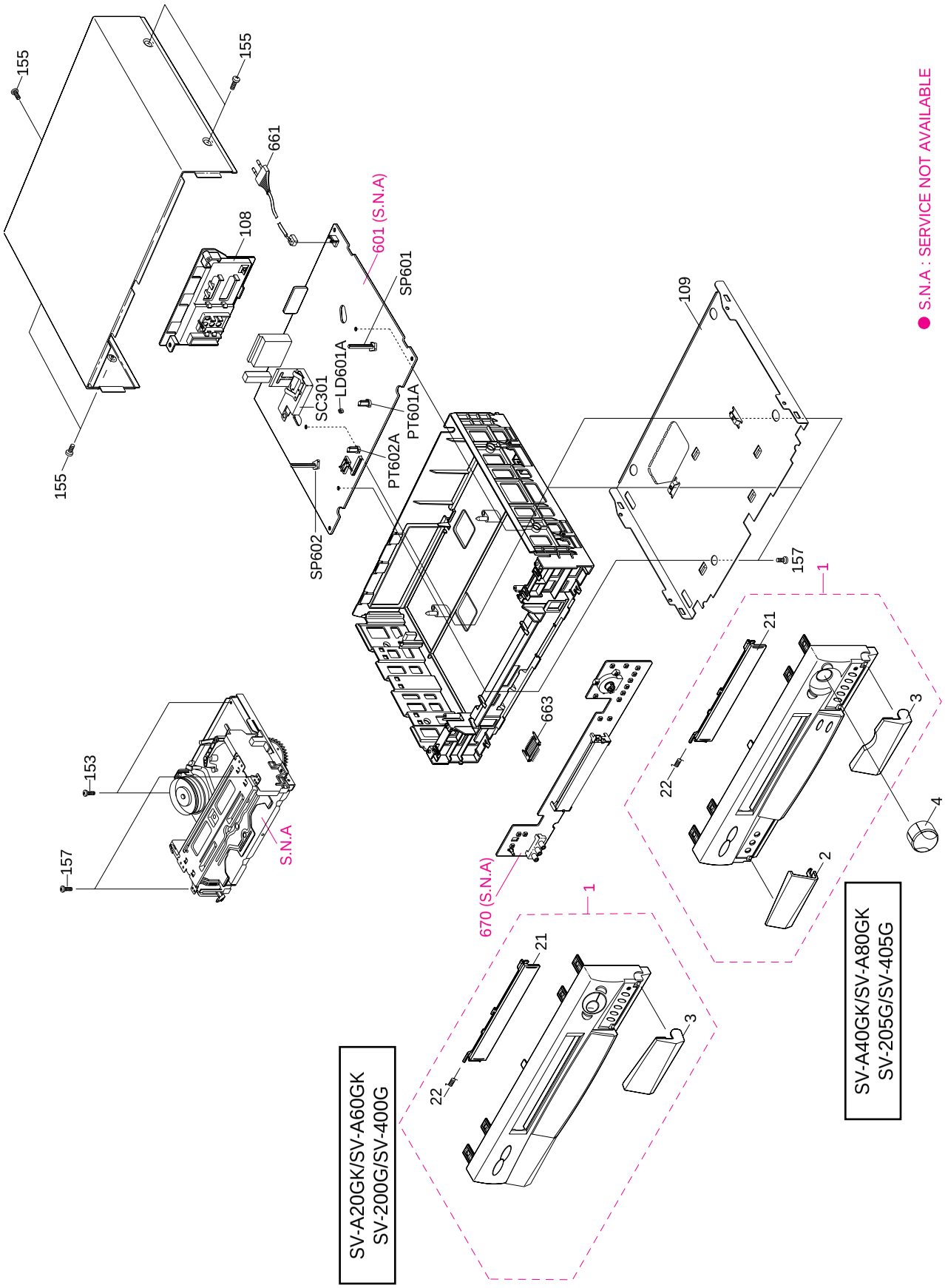
6-1 Cabinet Assembly - 6-2

6-2 Mechanical Parts (Top Side) - 6-4

6-3 Mechanical Parts (Bottom Side) - 6-6

6-4 Housing Assembly - 6-8

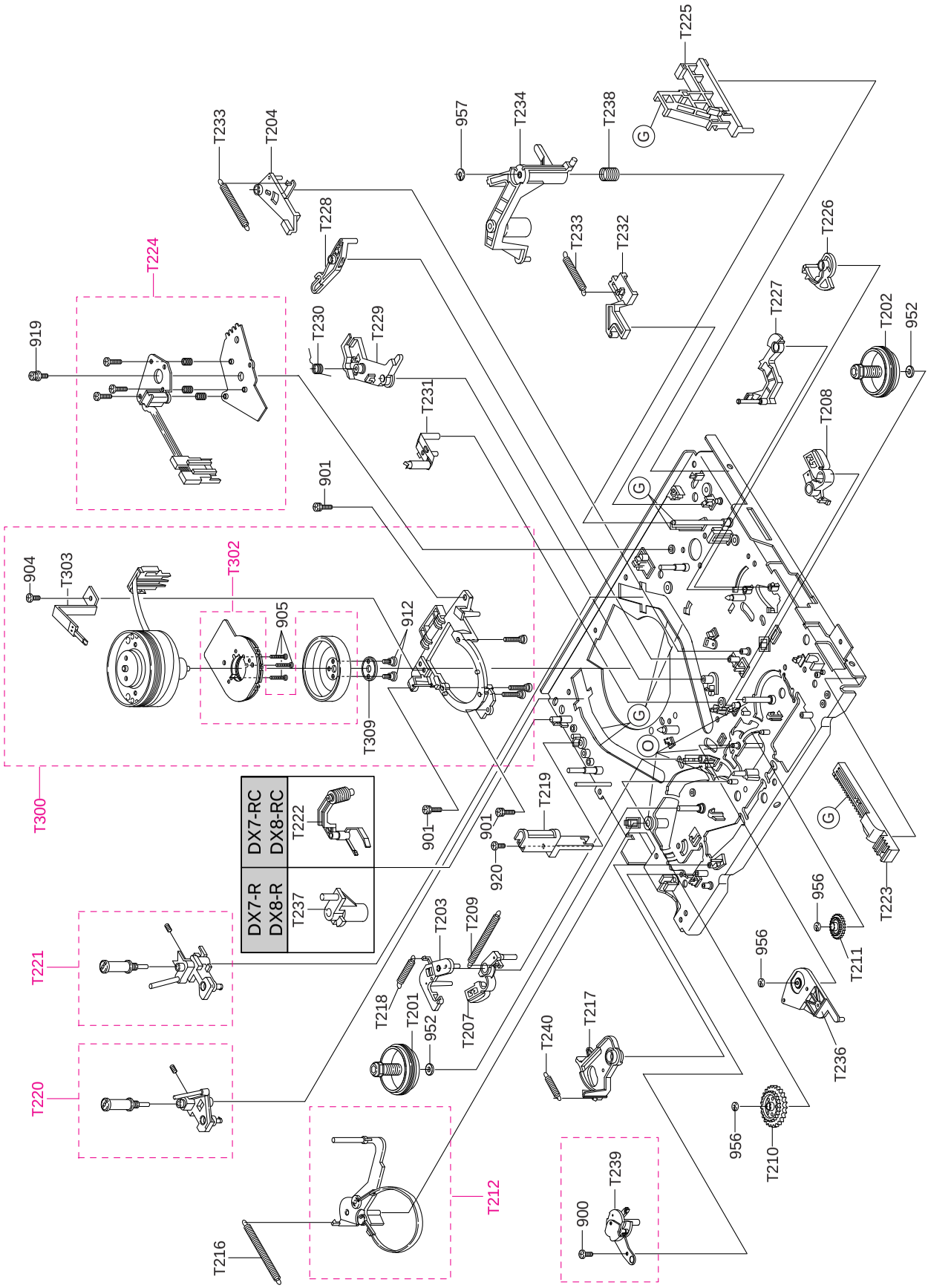
6-1 Cabinet Assembly



Loc. No	Part No	Description and Specification	Remark
-	DO NOT ORDER	ASSY-FULL DECK (DX7-R)	S.N.A
1	AC98-11214B	ASSY-PANEL FRONT;SV-A20GK/SEH,SV-200G/SEH	SESA LOCAL
	AC98-11217G	ASSY-PANEL FRONT;SV-A20GK/POL,SV-200G/POL	SESA LOCAL
	AC98-11217J	ASSY-PANEL FRONT;SV-A40GK/SEH,SV-205G/SEH	SESA LOCAL
	AC98-11217F	ASSY-PANEL FRONT;SV-A40GK/POL,SV-205G/POL	SESA LOCAL
	AC98-11214C	ASSY-PANEL FRONT;SV-A60GK/SEH,SV-400G/SEH	SESA LOCAL
	AC98-11217E	ASSY-PANEL FRONT;SV-A60GK/POL,SV-400G/POL	SESA LOCAL
	AC98-11217H	ASSY-PANEL FRONT;SV-A80GK/SEH,SV-405G/SEH	SESA LOCAL
	AC98-11217D	ASSY-PANEL FRONT;SV-A80GK/POL,SV-405G/POL	SESA LOCAL
2	**********	DOOR-FRONT L	SESA LOCAL
3	**********	DOOR-FRONT R	SESA LOCAL
4	AC64-10856A	KNOB-SHUTTLE;SV-A40GK/A80GK/SV-205G/405G ONLY	SESA LOCAL
21	**********	DOOR-CASSETTE	SESA LOCAL
22	AC61-62003A	SPRING;-,SUS304,(GE/RCA),-,-,-,-	SESA LOCAL
108	AC61-10972K	CONNECTOR BOARD-ASSY;SV-A70XK,HIPS94,HB,T2.5,L20	SME LOCAL
109	AC63-32126A	COVER-BUTTOM;SV-D140F,-	SESA LOCAL
153	AC60-12126A	SCREW-BH;-,BH,-,4*12,FE,FZY,-,-,-	
155	AC60-12134A	SCREW-TAP BH;-,BH,-,2-4X16,-,FE	
157	AC60-10063A	SCREW-TAPTITE;BH,+,-,M3,L12,ZPC3,SWRCH18A	
601	DO NOT ORDER	ASSY-MAIN;	S.N.A
661	AC39-10019A	POWER CORD;KKP-419C,H03VVH2-F,VDE/KEMA-KE	SESA LOCAL
663	3711-002603	CONNECTOR-HEADER;NOWALL,20P,1R,1.5MM,STRAIGHT,SN	
670	DO NOT ORDER	ASSY-F/TIMER	S.N.A
LD601A	AC61-22345A	HOLDER-LED;POM,-,-,-,-,-	SME LOCAL
PT601A	AC61-22344A	HOLDER-PHOTO;POM,-,-,-,-,-	SME LOCAL
PT602A	AC61-22344A	HOLDER-PHOTO;POM,-,-,-,-,-	SME LOCAL
SC301	AC98-12023J	ASSY-SH/CASE TOP;SV-A140F,IS-PAL ASSY S/C TOP	SME LOCAL
SP601	AC61-22321A	HOLDER-TR;POM,-,-,-,-,-	SME LOCAL
SP602	AC61-22321A	HOLDER-TR;POM,-,-,-,-,-	SME LOCAL

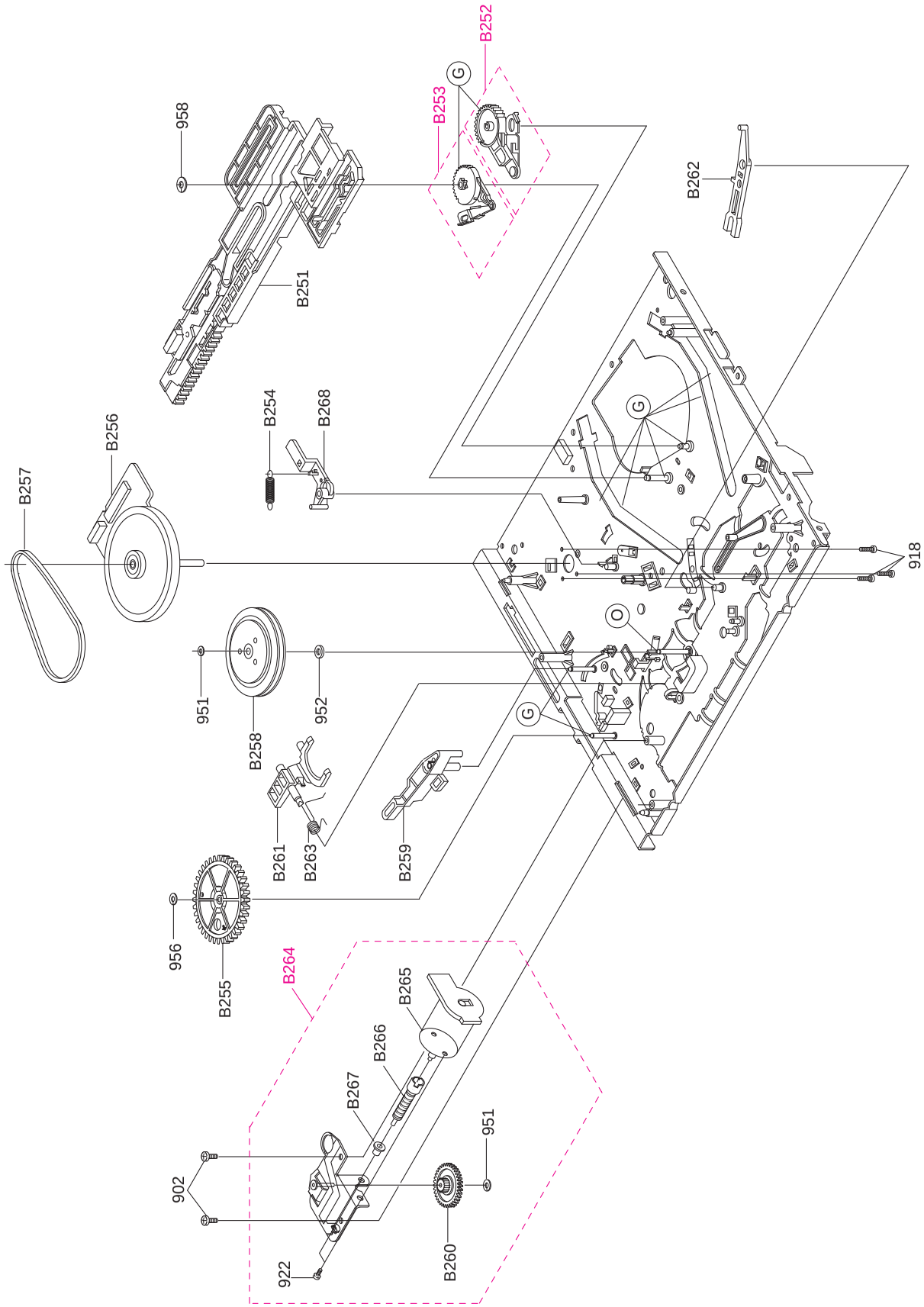
Note : The part numbers of location numbers 2, 3 and 21 will be informed separately later.

6-2 Mechanical Parts (Top Side)



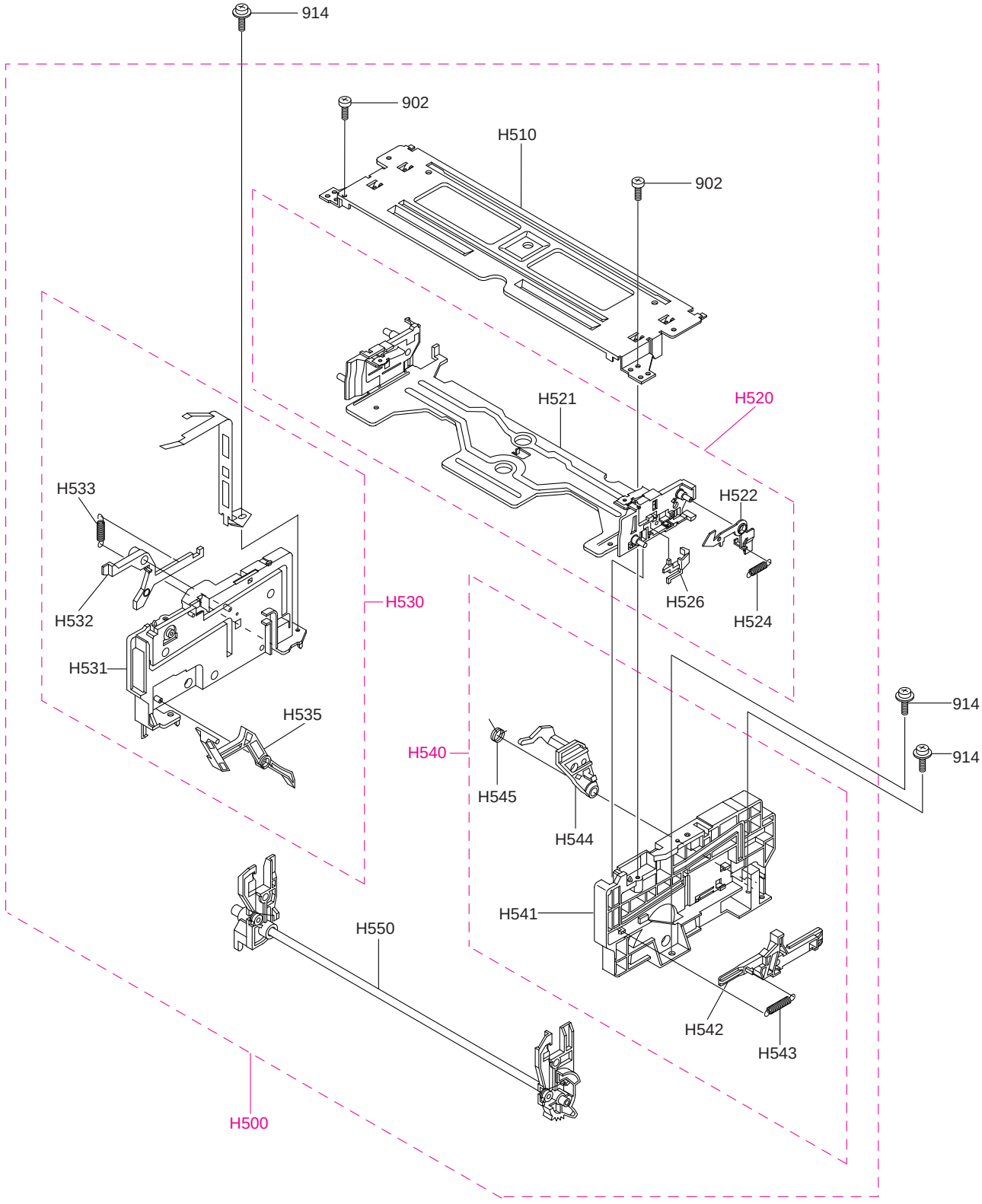
Loc. No	Part No	Description and Specification	Remark
900	AC60-12091A	SCREW-MACHINE;FP,BH,-,M3,L4,SWRCH10A,YEL ROB	
901	AC60-10012A	SCREW-MACHINE;BH,+,M3,L8,-,FE,-,-,-	
904	AC60-12125A	SCREW-PH;-,-,-,M3X6 TAP TITE,-,-,-,-,-	
905	AC60-12096A	SCREW-MACHINE;FP,PH,-,M2.6,X10,SWRCH1-A,YEL	
912	67094-604-710	SCREW-DAMPER;M2.0X7.0 SWCM 10(MFZN2-C)	
919	AC60-10004A	SCREW-MACHINE;BH,+,M3,L8,ZPC,SWRCH18A,-,-,-	
920	AC60-10007A	SCREW-TAPPING;BH,+,M2.6,L12,-,SWRCH18A,-,-,-	
952	AC60-30018A	WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLIDER,	
956	AC60-30007A	WASHER-SLIT;PLAIN,ID2.5,OD7,T0.5,SPC1,-,-	
957	AC60-30008A	WASHER-SLIT;-,ID3.5,OD9,T0.5,SPC1,-,-	
T201	AC66-10023A	REEL-DISK L ASSY;POM,-,PACKAGE,X-5,-	
T202	AC66-10022A	REEL-DISK R (ASSY);POM,-,PACKAGE,X-5,-	
T203	AC66-30474A	BRAKE-SUB L;-,PBT,-,-,-,X-5/IS	
T204	AC66-30148A	BRAKE SUB R-ASSY;PBT,-,-,-,X5,-	
T207	AC66-30475A	BRAKE-MAIN L ASS'Y;-,POM+PELT,-,-,-,X-5/IS	
T208	AC66-30476A	BRAKE-MAIN R ASS'Y;-,POM+PELT,-,-,-,X-5/IS	
T209	AC61-60112A	SPRING- BRAKE MAIN;ES,SUS304WPB,PI0.35,ID2.8,OD4.	
T210	AC66-20073A	GEAR RELAY S-ASSY;-,PEBAX,M0.5,M48,SP,X5,-	
T211	AC66-20037A	GEAR- RELAY T;PEBAX7033,X-5,Z39,GEAR-SPUR,D1	
T212	AC66-30073A	ARM-TENSION ASSY;-,-,-,CKD,DX5-R,-	
T216	AC61-60119A	SPRING TENSION;ES,SWPB,PI0.35,ID2.1,L33(OD3.8),-,	
T217	AC66-30470A	LEVER-REC S/W;-,PBT #3300,T4.0,L32,-,(X-5/IS	
T218	AC61-62017A	SPRING-SUB BRAKE L;ES,SUS304,PI0.23,D3.5,L14.8,-,	
T219	AC33-10003P	HEAD- MAGNET F/E;MH131S,-,-,-,L51.05XW7.4XH12.3	
T220	AC66-82050A	SLIDER-G/R ASSY(S);-,-,-,-,X-5	
T221	AC66-82059A	SLIDER-G/R ASSY T;-,-,-,-,X-7(VW-31H)	
T222	AC33-10002E	HEAD-CLEANER;-,-,-,-,-,X-5	(OPTIONAL)
T223	AC66-20065A	RACK-HOUSING;L74.29,POM M90-44,BLK,M1,3.14,	
T224	AC33-10215A	HEAD-ACE ALL ASSY;-,X-7,-,-,-	
T225	AC66-80005A	SLIDER-PINCH;POM(M90-44),T2,L54.35,NAT,DX-5	
T226	AC66-30014A	LEVER-REVIEW;ZYTEL(70G-43L),T3.8,-,PCD25.6,	
T227	AC66-30099A	ARM REVIEW CKD;-,-,-,-,DX5-RV,-	
T228	AC66-30013A	LEVER-PINCH CAM;PBT 6300T,-,L45,W9,X-5,-	
T229	AC66-30003A	LEVER PINCH COUP;PBT 3300,T7.5,L45.25,-,-,X-5	
T230	AC61-60116A	SPRING- PINCH COMP;TS,SWPB,PI1.0,D6,L38(OD8),-,-	
T231	AC67-32001A	PRISM-LED;PMMA,D5,IF-850,-,-,-	
T232	AC66-82049A	SLIDER-PUSH;LUPOX 2150,T2,-,NTR,-	
T233	AC61-62016A	SPRING-SLIDE PUSH;ES,SUS304WPB,PI0.55,D3.55,L24.	
T234	AC59-90001B	UNIT-PINCH ROLLER;X-5,-,YAMAUCHI	
T236	AC66-10010A	IDLER-ASSY;PACKAGE,-,X-5,-	
T237	AC61-40054A	STOPPER-TAPE;POM M90-44,OD7,T1.5,NTR,X-5,-	(OPTIONAL)
T238	AC61-60132A	SPRING ARM PINCH;CS,SUS304WPB,PI0.4,D7.1,OD7.9,	
T239	AC66-30132A	LEVER JOG-ASSY;-,-,-,-.X5,-	(DX8-R/RC ONLY)
T240	AC61-60505A	SPRING-REC S/W;-,ES,SUS304 WPB,PI0.29,PI3.5,-	
T300	AC96-10011L	ASSY-CYLINDER;CX5-S2P/DLC,-	2 HEAD ONLY
	AC96-10474W	ASSY-CYLINDER;-,CX5-D4P/F/DLC	4 HEAD ONLY
T302	AC31-12001M	MOTOR-CYLINDER;E20XL03,-,-	
T303	AC33-12004S	HEAD-BRUSH(ASSY);SECC20/20+CARBON,-,-,-,-	
T309	AC73-12001A	RETRINER-RUBBER(ASSY);SECC+SILICON,-,-,-	

6-3 Mechanical Parts (Bottom Side)



Loc. No	Part No	Description and Specification	Remark
902	AC60-10051A	SCREW-TAPPING;BH,-,-,M3,L8,FZY	
918	AC60-10006A	SCREW-MACHINE;BH,+I90,M2.6,L7,ZPC,SWRCH18A,-	
922	67008-130-171	SCREW PH;+M3X3 FE FZY	
951	AC60-30025A	WASHER-SLIT;-,ID2.5,OD5.0,T0.5,POLY SLIDE,	
952	AC60-30018A	WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLIDER,	
956	AC60-30007A	WASHER-SLIT;PLAIN,ID2.5,OD7,T0.5,SPC1,-,-	
958	AC60-30028A	WASHER-SLIT;-,D2.5,D9.0,T0.5,NUMIRROR,-,-	
B251	AC66-80001A	SILDER- MAIN;PBT2002K,T12.4,L206.2,NAT,DX-5	
B252	AC66-20019A	GEAR-LOADING L ASSY;-,-,-,PACKAGE,-,X-5,-	
B253	AC66-20069A	GEAR LOADING R;-,-,-,-,-,X5,-	
B254	AC61-60115A	SPRING-BRAKE CAPSTAN;ES,SUS304WPB,PI0.4,D22,L16.1(	
B255	AC66-20004A	GEAR-MASTER;POM (M90-44),M 1,Z 60,SP,-,X-5	
B256	AC31-12001R	MOTOR-D/D CAPSTAN;DMVCMC06A,-	
B257	AC66-62008A	BELT-CAPSTAN;5CM-70 FR,W2 T2 L88.6,-,-,-,-	
B258	AC66-20066A	CLUTCH-ASSY;-,-,-,-,-,X5,-	
B259	AC66-32185A	LEVER-SLIDER PINCH;PBT,T4,NAT,-,-,-	
B260	AC66-20016A	GEAR- WORM WHEEL;POM SW-01,M0.55/M1,Z57/Z10,GEA	
B261	AC66-30011A	LEVER- SHIFT;PBT2002K,T10.9,L35,-,-,-	
B262	AC66-30012A	LEVER- IDELR CHANGE;PBT330,T3.3,L50,-,W6.0,-	
B263	AC61-60111A	SPRING-LEVER SHIFT;TS,SWPB,PI0.7,D5.5,L13.8(OD6.9	
B264	AC59-90001A	UNIT-LOADING ASSY;X-5,-,-	
B265	66823-0060-00	MOTOR-LOADING ASSY;POM+RF370C X-5	
B266	AC66-20039A	GEAR- WORM LO;PBT 2002K,-,-,-,D4.5,3,-	
B267	AC61-20224A	HOLDER SHAFT;POM M90-44,T1.25,NAT,PI5XH5.5,	
B268	AC66-30149A	BRAKE CAPSTAN-ASSY;POM,-,-,-,X5,-	

6-4 Housing Assembly



Loc. No	Part No	Description and Specification	Remark
902	AC60-10051A	SCREW-TAPPING;BH,-,-,M3,L8,FZY	
914	AC60-10067A	SCREW-TAPTITE;PWH,+,-,M3,L8,MFZN2-C,SWCH1018	
H500	AC61-82014D	HOUSING-ASSY;-,X7FL26280A,230X130X60,-,X-7	
H510	AC61-10006A	CHASSIS- UPPER;SECC 20/20,-,T1.0,BLK,-,X5,-	
H520	AC61-20932B	HOLDER-CASSETTE ASSY;-,X5FL06080A,-,-,-,X-7(CODO)	
H521	AC61-20922B	HOLDER-CASSETTE;-,SECC T1.2,-,NAT,-,X-7(CODO)	
H522	AC66-30018A	LEVER-LOCK R;SECC 20/20,T1.2,L44,W32,-,-	
H524	AC61-60121A	SPRING-LEVER LOCK;ES,SUS304 WPB,PI0.2,D2.6,L9.9(	
H526	AC66-30019A	LEVER-KEY CASSETTE;LUCEL N109-LD,T2.5,L20,W15.2,-	
H530	62203-0105-00	CHASSIS-SIDE L(ASSY);ABS X5FL0505A X-5	
H531	AC61-10004A	CHASSIS- SIDE L;ABS HF-380,-,T10,BLK,-,X5,BLK	
H532	AC66-30004A	LEVER- LIGHT SHUTTER;LUCEL N109-LD,T2.5,L61.7,BLK,	
H533	AC61-60142A	SPRING- LIGHT;ES,SUS304WPB,PI0.2,L11.4(OD3.7	
H535	AC66-30017A	LEVER- DOOR;LUCELN109-LD,T5,L74.3,W21.1,-,	
H540	62203-0104-00	CHASSIS-SIDE R(ASSY);ABS X5FL0505A X-5	
H541	AC61-10003A	CHASSIS- SIDE R;ABS HF-380,-,T10,BLK,-,X5,BLK	
H542	AC66-80008A	SLIDER DAMPER;LUCEL N109-LD,T4,L87,-,-,-	
H543	AC61-60120A	SPRING-SLIDE DAMPER;ES,SUS 304WPB,PI0.4,D3.8,L25(O	
H544	AC66-30016A	LEVER- LID OPENER;LUCEL N109-LD,T5.0,L34.7,W16.6	
H545	AC61-60123A	SPRING-LID OPENER;TS,SWPB,PI0.55,D8.9,L15(OD10),	
H550	61403-0073-00	SHAFT-ARM(ASSY);SUM24L X5FL0405A X-5	

MEMO

7. Electrical Parts List

Loc.No	Part No	Desc and Spec	Remark
601	**DO NOT ORDER**	**ASSY-MAIN**	**(S.N.A)**
SMPS/POWER PARTS			
C1P02	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C1P03	2401-001954	C-AL;4.7UF,20%,50V,GP,BK,5X11MM,5	SME LOCAL
C1P04	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C1P05	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C1P06	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM	
C1P09	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C1P10	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C1S03 ⚠	2305-001021	C-FILM,MPEF;100NF,20%,275V,TP,17.5X7X13.5,	
C1S04 ⚠	2305-001021	C-FILM,MPEF;100NF,20%,275V,TP,17.5X7X13.5,	
C1S05	2201-000808	C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,TP,12X7.5,7	
C1S06	2201-000934	C-CERAMIC,DISC;3.3NF,20%,400V,Y5P,TP,18X8,10	
C1S08	2401-001957	C-AL;47.0UF,20%,400V,GP,TP,18X25,7.	SME LOCAL
C1S09	2201-000934	C-CERAMIC,DISC;3.3NF,20%,400V,Y5P,TP,18X8,10	
C1S10	2201-000915	C-CERAMIC,DISC;100PF,10%,1KV,Y5P,TP,6X5,5	SME LOCAL
C1S16	2201-000796	C-CERAMIC,DISC;10NF,10%,50V,Y5P,TP,6.5X3,5	
C1S20	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1/0.5MM,-,-	SME LOCAL
C1S21	2401-000905	C-AL;22UF,20%,16V,BP,-,6X11,2.5MM	
C1S22	2301-000361	C-FILM,PEF;1.2NF,10%,50V,TP,-,5MM	
C1S23	2301-000442	C-FILM,PEF;4.7NF,10%,50V,TP,5.5X7X3MM,5MM	
C1S30	2401-000385	C-AL;10UF,20%,100V,GP,-,6.3X11,2.5M	SME LOCAL
C1S31	2401-001134	C-AL;330UF,20%,35V,WT,TP,10X16,5MM	SME LOCAL
C1S32	2401-001998	C-AL;1000UF,20%,25V,GP,TP,10X20,5MM	
C1S33	2401-000306	C-AL;100UF,20%,25V,GP,TP,6.3X11MM,2	
C1S34	2401-000118	C-AL;1000UF,20%,10V,GP,TP,10X12.5,5	
C1S35	2401-000306	C-AL;100UF,20%,25V,GP,TP,6.3X11MM,2	
C1S36	2401-001583	C-AL;47UF,20%,50V,WT,TP,6.3X11,2.5M	
C1S37	2401-001374	C-AL;470UF,20%,16V,WT,TP,10X12.5,2.	SME LOCAL
C1S38	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C1S39	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
CN1S1	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96MM,STRAIGH	SME LOCAL
D1P01	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D1P02	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D1P03	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D1P06	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW	SME LOCAL
D1P20	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D1S01 ⚠	0402-001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR	
D1S02 ⚠	0402-001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR	
D1S03 ⚠	0402-001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR	
D1S04 ⚠	0402-001009	DIODE-RECTIFIER;1SR139,600V,1A,MSR	
D1S05	0402-000378	DIODE-RECTIFIER;EG01C,1000V,500MA,DO-41	SME LOCAL
D1S07	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	
D1S08	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW	SME LOCAL
D1S30	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	
D1S31	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	
D1S34	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	
D1S35	0402-001013	DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	
D1S41	0402-001069	DIODE-RECTIFIER;RL10Z,200V,2A,DO,TP	
D1S43	0402-001069	DIODE-RECTIFIER;RL10Z,200V,2A,DO,TP	
F1S01 ⚠	A3065-0157	FUSE;FST 250V 1.6A 20MM SEMKO S505 C	
IC1P01	AC14-12001E	IC;KA7809,-,-	SME LOCAL
IC1S2 ⚠	B4161-0030	PHOTO-COUPLER;PS2561-1 ST DIP	
IC1S3 ⚠	AC14-12006D	IC;KA431Z,TO-92,TAPING	SME LOCAL
L1S01 ⚠	AC29-30050A	FILTER-LINE NOISE;-,400UH,-,250V,-	

Loc.No	Part No	Desc and Spec	Remark
L1S02 ⚠	A1151-0042	COIL-LINE FILTER;BSF-2120Z 25MH 3.2OHM	
L1S05	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L1S30	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-,	SME LOCAL
L1S31	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-,	SME LOCAL
L1S32	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L1S33	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L1S34	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
PT1S01 ⚠	AC26-20120C	TRANS-SWITCHING;-,100/230V,UL/CSA,EE28*21*11,1	
Q1P01	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,TP,160	SME LOCAL
Q1P02	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K-4.7K,TO	SME LOCAL
Q1P03	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,TP,160	SME LOCAL
Q1P04	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K-22K,TO-9	SME LOCAL
Q1P05	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L,TP	SME LOCAL
Q1P06	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L,TP	SME LOCAL
Q1P07	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q1S01	0502-001050	TR-POWER;2SC4517A,NPN,30W,TO-220,ST,10-	
Q1S02	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-92,TP,1	
R1P02	2004-001096	R-METAL;560OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R1P03	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1P04	2001-000611	R-CARBON;3.9KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1P05	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1P06	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1P07	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1P09	2004-000571	R-METAL;220OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R1P10	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1S02	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1/0.5MM,-,-	SME LOCAL
R1S03	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1S06	2006-000273	R-CEMENT;27KOHM,5%,2W,CA,BK,6.4X27X6.4M	
R1S07	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1S11	2006-000262	R-CEMENT;2.7OHM,10%,2W,CB,ST,7.5X11X20.	SME LOCAL
R1S12	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1S13	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1S14	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1S15	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1/0.5MM,-,-	SME LOCAL
R1S16	2003-000264	R-METAL OXIDE;300OHM,5%,1W,AD,TP,4.3X12MM	
R1S19	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1S21	2003-000119	R-METAL OXIDE;0.68OHM,5%,2W,AE,TP,6X16MM	
R1S30	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1S31	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1S32	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1S33	2004-000869	R-METAL;3KOHM,1%,1/8W,AA,TP,1.8X3.2MM	
R1S34	2004-000459	R-METAL;2.2KOHM,1%,1/8W,AA,TP,1.8X3.2M	
R1S35	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1/0.5MM,-,-	SME LOCAL
VA1S01 ⚠	1405-000186	VARISTOR;470V,4500A,17X12MM,TP	SME LOCAL
VA1S02 ⚠	1405-000186	VARISTOR;470V,4500A,17X12MM,TP	SME LOCAL
ZD1P02	0403-000557	DIODE-ZENER;MTZ5.1C,5.1V,5.09-5.37V,500MW,	
ZD1S30	0403-000571	DIODE-ZENER;UZP43B,43V,40-46V,1W,DO-41,TP	
SYSTEM CONTROL/SERVO PARTS			
C601	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C602	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C603	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C604	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C605	2203-001577	C-CERAMIC,CHIP MELF;150PF,10%,50V,Y5E,TP	SME LOCAL
C606	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C607	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL

Loc.No	Part No	Desc and Spec	Remark
C608	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP	SME LOCAL
C609	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2012,2	
C610	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2012,2	
C6101	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C6102	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
C6103	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C6104	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C6105	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C6106	2301-000392	C-FILM,PEF;15NF,5%,50V,TP,6.5X8.5X3.2MM,5	
C6107	2203-000818	C-CERAMIC,CHIP;33PF,5%,50V,NPO,TP,2012,-	
C611	2203-000533	C-CERAMIC,CHIP;2.7NF,10%,50V,X7R,TP,2012,-	SME LOCAL
C6114	2201-000799	C-CERAMIC,DISC;12PF,5%,50V,CH,TP,5X3,5	
C6116	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,2012,2MM	
C6117	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,2012,2MM	
C6119	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C612	2203-001577	C-CERAMIC,CHIP MELF;150PF,10%,50V,Y5E,TP,2012	SME LOCAL
C6120	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C6122	2401-001952	C-AL;4.7UF,20%,50V,-,TP,6.3X7,5	SME LOCAL
C6123	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	
C6124	2401-001325	C-AL;470NF,20%,50V,GP,TP,3X5,5	
C6126	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C613	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C614	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C615	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C616	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2012	SME LOCAL
C617	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2012	SME LOCAL
C618	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C619	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012	SME LOCAL
C620	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012	SME LOCAL
C621	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012,-	SME LOCAL
C622	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C623	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C624	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C625	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C626	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C627	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C628	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C629	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C630	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C631	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C632	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C633	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C634	2401-000208	C-AL;100NF,+80-20%,5.5V,GP,12.3MM,5	
C635	2401-000199	C-AL;1000UF,20%,6.3V,GP,TP,10X12.5,	
C636	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	
C637	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	
C638	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM	
C639	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C640	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	
C641	2401-000753	C-AL;220NF,20%,50V,GP,TP,3X5,5	
C642	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
C643	2401-001036	C-AL;33UF,20%,16V,GP,TP,6.3X5,5	SME LOCAL
C644	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X5 10UF	SME LOCAL
C645	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM	
C646	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C647	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C650	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C651	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C652	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C653	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C654	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C655	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C660	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C661	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C663	2203-000979	C-CERAMIC,CHIP;47NF,10%,50V,X7R,2012,-,TP	SME LOCAL
C681	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C682	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C698	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
CN601	3710-000546	CONNECTOR-SOCKET;20P,1R,1.5MM,ANGLE,SN	
CN602	3711-002445	CONNECTOR-HEADER;BOX,2P,2R,1.5MM,STRAIGHT	SME LOCAL
CN603	3711-003105	CONNECTOR-HEADER;BOX,10P,2R,2.0MM,STRAIGHT	SME LOCAL
CN604	3711-002444	CONNECTOR-HEADER;BOX,6P,2R,2.0MM,STRAIGHT	SME LOCAL
D601	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D602	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D603	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D604	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D605	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D606	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D607	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D608	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D609	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D610	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D6101	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D6102	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D6103	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D6104	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D6105	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D6106	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D611	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
IC601	AC09-10452X	IC-MCU;HD6433977-RA10F,1024,8,H_ONECH	
IC602	AC14-12003K	IC;KA8301(N.M),-,-	SME LOCAL
IC603	1201-000230	IC-OP AMP;6324,DIP,14P,-,QUAD,15/100MV,P	
IC604	AC14-12006C	IC;KA7533,DIP,-	SME LOCAL
IC605	1103-001020	IC-EEPROM;24LC04,4KX8BIT,DIP,8P,300MIL,-	
J805	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
L601	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L602	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L603	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L604	2701-000131	INDUCTOR-AXIAL;15UH,5%,2.4X3.4MM	SME LOCAL
L6101	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L6103	2701-000117	INDUCTOR-AXIAL;10UH,5%,2.4X3.4MM	SME LOCAL
L620	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400	SME LOCAL
L621	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400	SME LOCAL
LD601	0601-000495	LED-IR;ROUND,3MM,150MW,6V,950NM,BK	SME LOCAL
PT601	0604-000188	PHOTO-INTERRUPTER;TR,-,-,DIP-4,TR	SME LOCAL
PT602	0604-000188	PHOTO-INTERRUPTER;TR,-,-,DIP-4,TR	SME LOCAL
Q601	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q602	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q603	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP-	SME LOCAL
Q604	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-	SME LOCAL
Q605	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q606	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q607	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,TO	SME LOCAL
Q608	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q609	AC14-12001G	IC;KA78L05,T,-	
Q6101	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q6102	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q6106	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q6108	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
R601	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL

Loc.No	Part No	Desc and Spec	Remark
R602	2007-000804	R-CHIP;36KOHM,5%,1/10W,DA,TP,2012	SME LOCAL
R604	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R606	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R607	2007-001587	R-CHIP,MELF;1KOHM,5%,1/8W,DB,TP,2012	
R608	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R610	2004-000218	R-METAL;10KOHM,1%,1/8W,AA,TP,1.8X3.2MM	
R6100	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R6101	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6102	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6103	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6104	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R6105	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6106	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6107	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6109	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R6110	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6111	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6112	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6113	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6114	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R6115	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6116	2007-007166	R-CHIP,MELF;91KOHM,5%,1/8W,DB,BK,2012	
R6117	2001-000850	R-CARBON;560KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R6119	2007-001486	R-CHIP,MELF;56KOHM,5%,1/8W,DB,BK,2012	
R612	2004-000218	R-METAL;10KOHM,1%,1/8W,AA,TP,1.8X3.2MM	
R6120	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6121	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6122	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6123	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6124	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6125	2007-001540	R-CHIP,MELF;30KOHM,5%,1/8W,DB,BK,2012	
R6129	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6131	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6132	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6133	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6134	2007-001486	R-CHIP,MELF;56KOHM,5%,1/8W,DB,BK,2012	
R614	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R615	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R616	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R617	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R618	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R619	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R620	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R621	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R624	2007-001627	R-CHIP,MELF;100KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R625	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R626	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R627	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R628	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R629	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R630	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R631	2007-001591	R-CHIP,MELF;18KOHM,5%,1/8W,DB,BK,2012	
R632	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R633	2001-000802	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R634	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R635	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R636	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R637	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R638	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R640	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R641	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R644	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R648	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R649	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R651	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R652	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R653	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R654	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R655	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R656	2001-000605	R-CARBON;3.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R657	2007-001596	R-CHIP,MELF;16KOHM,5%,1/8W,DB,BK,2012	
R658	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R659	2007-001596	R-CHIP,MELF;16KOHM,5%,1/8W,DB,BK,2012	
R660	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R661	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R662	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R663	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R664	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R665	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R666	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R667	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R668	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R669	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R670	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R671	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R672	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R673	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R674	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R675	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R676	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R677	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R678	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R679	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R681	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R682	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R683	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R684	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R685	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R686	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R687	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R688	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R689	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R690	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R691	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R692	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R693	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R694	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R695	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R696	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R697	2003-000259	R-METAL OXIDE;3.9OHM,5%,2W,AE,TP,6X16MM	SME LOCAL
R698	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
RS601	3409-000176	SWITCH-DETECTOR;30VDC,100MA,SPST,-,-	
S601	0603-000112	PHOTO-TR;NPN,35V,6V,50MA,75MW,-	SME LOCAL
S602	0603-000112	PHOTO-TR;NPN,35V,6V,50MA,75MW,-	SME LOCAL
SW601	AC34-22001E	SWITCH-PROGRAM;MXS00281MLB0,-,-,-,-,-,-	SME LOCAL
W144	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
XT601	2801-003293	CRYSTAL-UNIT;10MHZ,50PPM,28-AAA,16PF,50OHM,	
XT602	64539-021-009	CRYSTAL;32.768KHZ	SME LOCAL
XT6102	2801-003311	CRYSTAL-UNIT;17.734475MHZ,50PPM,28-AAA,16PF	

Loc.No	Part No	Desc and Spec	Remark
AUDIO/VIDEO PARTS			
C305	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C306	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C307	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C308	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C309	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C310	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C311	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C312	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C313	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C314	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C315	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C316	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C317	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C318	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C319	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C320	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C321	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C322	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C323	2203-001592	C-CERAMIC,CHIP;1NF,5%,50V,X7R,TP,2012,2MM	
C324	B1102-0113	C-FILM;CQ 922 P 100V 473-J CQ298PVT473J	SME LOCAL
C325	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C326	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C327	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C328	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C329	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C330	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C331	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
C332	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-	
C333	2203-000840	C-CERAMIC,CHIP;390PF,5%,50V,NPO,TP,2012,-	SME LOCAL
C335	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C336	2203-001606	C-CERAMIC,CHIP MELF;220PF,10%,50V,Y5P,TP,2012	SME LOCAL
C337	2203-000540	C-CERAMIC,CHIP;200PF,5%,50V,NPO,TP,2012,-	SME LOCAL
C338	2203-001589	C-CERAMIC,CHIP MELF;18PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C339	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
C340	2401-001965	C-AL;470NF,20%,50V,-,BK,4X7MM,1.5MM	
C341	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5	SME LOCAL
C342	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C343	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C344	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C345	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C346	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C347	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C348	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C349	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C350	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C351	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C352	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C353	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C355	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C356	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C357	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C358	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C359	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C360	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C361	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C362	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C363	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C364	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C366	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C367	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C368	2203-000979	C-CERAMIC,CHIP;47NF,10%,50V,X7R,2012,-,TP	SME LOCAL
C369	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C370	B1102-0113	C-FILM;CQ 922 P 100V 473-J CQ298PVT473J J	SME LOCAL
C371	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C373	2301-000439	C-FILM,PEF;3NF,5%,50V,TP,5.5X7X3MM,5MM	
C374	2202-000781	C-CERAMIC,MLC-AXIAL;100PF,10%,50V,Y5P,TP,3.5X19,	SME LOCAL
C380	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C3A01	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL
C3A02	2301-000392	C-FILM,PEF;15NF,5%,50V,TP **(AUDIO DUB. OPT.)**	
	B1102-0113	C-FILM;CQ922 P 100V 473-J **(NO AUDIO DUB. OPT.)**	
C3A03	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C3A04	2301-000299	C-FILM,PEF;6.8NF,5%,100V,TP,5.8X12.5MM,5M	
C3A05	2301-000161	C-FILM,PEF;12NF,5%,50V **(AUDIO DUB. OPT.)**	
	2301-000264	C-FILM,PEF;4.7NF,5%,50V **(NO AUDIO DUB. OPT)**	
C3A06	2301-000408	C-FILM,PEF;2.7NF,5%,50V,TP,5.5X7X3MM,5MM	
C3A07	2301-000402	C-FILM,PEF;1NF,5%,50V,TP,5X7X2.8MM,5MM	
C3A08	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5	SME LOCAL
C3A09	2401-003122	C-AL;4.7UF,20%,50V,LL,TP,4X7,1.5	
C3A10	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C3A11	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C3A12	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C3A14	2203-001105	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,TP,2012,-	SME LOCAL
C3A15	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C3A16	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C3A18	2202-000855	C-CERAMIC,MLC-AXIAL;6.8NF,30%,16V,Y5R,TP,3.5X1.9	
C3A19	2202-000856	C-CERAMIC,MLC-AXIAL;8.2NF,30%,16V,Y5R,TP,3.5X1.9	SME LOCAL
C3A20	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5,	
C3A21	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
C3A22	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5,	
C3A23	2401-001169	C-AL;33UF,20%,16V,GP,-,6.3X7,2.5MM	SME LOCAL
C3A24	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5,	
C3A25	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C3A26	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C3A27	2401-002197	C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM	SME LOCAL
C3A28	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C3A29	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C3A30	2301-000392	C-FILM,PEF;15NF,5%,50V,TP,6.5X8.5X3.2MM,5	
C3S05	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C3S07	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C511	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL
C531	2401-002183	C-AL;220UF,20%,16V,GP,TP,8X9,5MM	
C532	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C5D01	B1102-0113	C-FILM;CQ 922 P 100V 473-J **(AUDIO DUB. OPT.)**	SME LOCAL
C5D02	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5 **(AUDIO DUB. OPT.)**	SME LOCAL
C5D03	2203-002188	C-CERAMIC,CHIP;10NF,+80-20% **(AUDIO DUB. OPT.)**	SME LOCAL
C5D04	2301-000264	C-FILM,PEF;4.7NF,5%,50V,TP **(AUDIO DUB. OPT.)**	
C5D05	2301-000383	C-FILM,PEF;10NF,5%,50V,TP **(AUDIO DUB. OPT.)**	
CN301	3708-000395	CONNECTOR-FPC/FC/PIC;8P,1.25MM,STRAIGHT,SN	
CN3A01	3708-001053	CONNECTOR-FPC/FC/PIC;7P,1.25MM,STRAIGHT,SN	
CN3A02	3711-000371	CONNECTOR-HEADER;-,2P,1R,2MM,STRAIGHT,-	SME LOCAL
D301	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
FL3A01	AC27-80100A	COIL-OSC;126QN-K5272YHC=K,-,AM	
FL5D01	AC27-82001C	COIL-BIAS OSC;B02,W(TOKO) **(AUDIO DUB. OPT.)**	
IC301	1204-001057	IC-SIGNAL PROCESSOR;SS11511M,QFP,80P,-	
IC302	AC14-12013F	IC-LINEAR;LA7416,DIP,BULK	SME LOCAL
IC303	1209-001023	IC-DELAY LINE;SS23377M,SOP,14P,225MIL,PLASTI	
L301	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L303	2701-000206	INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM	SME LOCAL
L304	2701-000206	INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM	SME LOCAL

Loc.No	Part No	Desc and Spec	Remark
L308	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L3A02	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L3A03	2702-000120	INDUCTOR-RADIAL;15MH,5%,6.2X7.4MM	SME LOCAL
L3A04	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L501	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L503	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L5D01	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K **(AUDIO DUB. OPT.)**	SME LOCAL
Q302	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q303	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q304	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q306	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q307	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q308	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q309	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q310	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q312	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q3A01	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q3A02	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q3A03	0501-000010	TR-SMALL SIGNAL;KSC1008-Y,NPN,80V,60V,700MA,80	SME LOCAL
Q3A04	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q3A05	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q3A06	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q5D01	0501-000010	TR-SMALL SIGNAL;KSC1008-Y,NPN**(AUDIO DUB. OPT.)**	SME LOCAL
Q5D02	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW **(AUDIO DUB. OPT.)**	SME LOCAL
Q5D03	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW **(AUDIO DUB. OPT.)**	SME LOCAL
R301	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R302	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R303	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R304	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R305	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R306	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R307	2007-001627	R-CHIP,MELF;100KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R309	2007-001553	R-CHIP,MELF;2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R310	2007-001546	R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R311	2007-001454	R-CHIP,MELF;820OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R312	2007-001553	R-CHIP,MELF;2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R313	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R314	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R315	2007-001546	R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R316	2007-001458	R-CHIP,MELF;8.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R317	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R318	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R319	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R320	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R321	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R322	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R323	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R324	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R325	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R327	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R328	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R329	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R331	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R332	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R333	2007-001458	R-CHIP,MELF;8.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R335	2007-001616	R-CHIP,MELF;120KOHM,5%,1/8W,DB,BK,2012	
R337	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R338	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R339	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R340	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R341	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R350	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R351	2007-001616	R-CHIP,MELF;120KOHM,5%,1/8W,DB,BK,2012	
R399	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R3A02	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A03	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A04	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W **(AUDIO DUB. OPT.)**	SME LOCAL
	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA **(NO AUDIO DUB. OPT.)**	
R3A05	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A06	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A07	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A08	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A09	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A10	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A11	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A12	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A13	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A14	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A15	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A16	2007-001641	R-CHIP,MELF;0OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A17	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A19	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A20	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A21	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A22	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A23	2007-001484	R-CHIP,MELF;6.2KOHM,5%,1/8W,DB,BK,2012	
R3A24	2001-000454	R-CARBON;2.2MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A25	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A26	2007-001448	R-CHIP,MELF;9.1KOHM,5%,1/8W,DB,BK,2012	
R3A27	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A28	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A29	2007-001580	R-CHIP,MELF;2.4KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A30	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A31	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A32	2001-000904	R-CARBON;620OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R5D01	2001-000793	R-CARBON;47OHM,5%,1/8W,AA (AUDIO DUB. OPT.)	SME LOCAL
R5D02	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA (AUDIO DUB. OPT.)	SME LOCAL
R5D03	2001-000745	R-CARBON;4.7OHM,5%,1/8W,AA (AUDIO DUB. OPT.)	SME LOCAL
XT301	B1280-0169	CRYSTAL;4.433619MHZ HC-49/U-S 15PPM SERIES	SME LOCAL
IF PARTS			
C401	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C402	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C404	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C409	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C410	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C411	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C412	2203-001589	C-CERAMIC,CHIP MELF;18PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C414	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C415	2301-000415	C-FILM,PEF;22NF,5%,50V,TP,6.5X10.5X4MM,5M	SME LOCAL
C416	2401-002180	C-AL;2.2UF,20%,50V,GP,TP,5X11,5MM	SME LOCAL
C417	2202-000205	C-CERAMIC,MLC-AXIAL;22PF,5%,50V,SL,1.9X3.5,-,TP	SME LOCAL
C418	2201-000837	C-CERAMIC,DISC;39PF,5%,50V,CH,TP,5X3,5	SME LOCAL
C419	2401-001954	C-AL;4.7UF,20%,50V,GP,BK,5X11MM,5	SME LOCAL
C421	2202-000787	C-CERAMIC,MLC-AXIAL;10PF,5%,50V,Y5P,TP,3.5X19,-	
C423	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C425	2401-002180	C-AL;2.2UF,20%,50V,GP,TP,5X11,5MM	SME LOCAL
C426	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C427	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C428	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C429	2201-000796	C-CERAMIC,DISC;10NF,10%,50V,Y5P,TP,6.5X3,5	

Loc.No	Part No	Desc and Spec	Remark
C4A1	2401-000475	C-AL;10UF,20%,50V,GP,-,5X11,2MM	
C4A2	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C4A4	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C4A5	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C4A6	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C4A7	2401-001364	C-AL;470UF,20%,16V,GP,TP,10X12MM,5M	
C4A8	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C4A9	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
D410	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
FL401	2904-000268	FILTER-SAW AV;38.9MHZ,SIP5P,ST,17.6DB,PAL-D/	
FL403	2903-000193	FILTER-CERAMIC;BR,6.0MHz	
FL404	2903-000185	FILTER-CERAMIC;BP,5.5MHZ,+-75KHZ,6DB,-,TP	SME LOCAL
FL406	B1243-0045	FILTER-CERAMIC;SP 6.5M SFE6.5MB TAPG	
FL407	2903-000178	FILTER-CERAMIC;BP,5.5MHZ,-,-,-,TP,-	SME LOCAL
FL409	2903-000199	FILTER-CERAMIC;TR,6.5MHZ,70KHZ,-,-,TP	SME LOCAL
IC401	AC14-12011Q	IC-LINEAR;TDA9800,DIP,NEG DEMOD	
IC4A1	AC14-12003P	IC;LA7920,-,-	SME LOCAL
IC4A2	AC14-12003T	IC-L;KA33V TAPG,-,-	SME LOCAL
L401	2701-000145	INDUCTOR-AXIAL;1UH,5%,2.4X3.4MM	SME LOCAL
L402	2701-000145	INDUCTOR-AXIAL;1UH,5%,2.4X3.4MM	SME LOCAL
L403	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L404	2701-000160	INDUCTOR-AXIAL;22UH,5%,2.4X3.4MM	SME LOCAL
L405	2702-000185	INDUCTOR-RADIAL;8.2UH,5%,6X6.4MM	
L415	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400	SME LOCAL
L4A1	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
Q401	0501-000436	TR-SMALL SIGNAL;KTC3197,NPN,625MW,TO-92,TP	SME LOCAL
Q402	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q4A1	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
R402	2001-000802	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R403	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R404	2007-001488	R-CHIP,MELF;560OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R405	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R406	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R410	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R414	2007-001578	R-CHIP,MELF;2.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R415	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R416	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R417	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R418	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R419	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R420	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R421	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R423	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R424	2007-001574	R-CHIP,MELF;20KOHM,5%,1/8W,DB,BK,2012	
R425	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R426	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R428	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R429	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R432	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R435	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R436	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R4A0	2001-000595	R-CARBON;3.3MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R4A1	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A2	2001-000718	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R4A3	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A4	2007-001641	R-CHIP,MELF;0OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A5	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A6	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A7	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A8	2001-000595	R-CARBON;3.3MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R4A9	2001-000595	R-CARBON;3.3MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R4B1	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4B2	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
TL401	AC26-12001A	TRANS-DET;9MM,0UH,BLK,8PF,77.9MHZ,M7T1,S	
U401	AC40-30070P	TM-BLOCK;TCRK9600VD04A,PAL-G/K(HYPER),1	
VR401	2103-000307	VR-SEMI;22KOHM,30%,1/10W,TOP	SME LOCAL
VPS PARTS			
C6P01	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C6P02	2202-000791	C-CERAMIC,MLC-AXIAL;150PF,10%,50V,Y5P,TP,3.5X19,	SME LOCAL
C6P03	2401-001074	C-AL;330NF,20%,50V,GP,TP,4X5,2.5MM	SME LOCAL
C6P05	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C6P06	2203-000802	C-CERAMIC,CHIP;33NF,10%,50V,X7R,2012,-,TP	
C6P07	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
IC6P01	1204-000332	IC-DECODER;SDA5649,DIP,14P,300MIL,PLASTIC	SME LOCAL
R6P05	2007-001627	R-CHIP,MELF;100KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6P06	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6P07	2007-000225	R-CHIP;1.2MOHM,5%,1/10W,DA,TP,2012	SME LOCAL
R6P08	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6P09	2007-000225	R-CHIP;1.2MOHM,5%,1/10W,DA,TP,2012	SME LOCAL
R6P10	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6P11	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R6P12	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
I/O PARTS			
C834	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2012	SME LOCAL
C835	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-	
C836	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-	
C802	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C804	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C806	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C807	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C808	2401-002197	C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM	SME LOCAL
C818	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C819	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C820	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C822	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL
C824	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012	SME LOCAL
C825	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012	SME LOCAL
C829	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
C831	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP,2012,2M	
C835	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C836	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
D801	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D802	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D803	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D804	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D820	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D822	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
JC801	3710-000482	CONNECTOR-SOCKET;21P,-,-,ANGLE,SN	SME LOCAL
L803	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L804	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L805	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L806	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L807	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L808	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L815	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L816	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
Q802	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q803	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250MW,TO-92,TP	SME LOCAL
Q812	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q813	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,TO	SME LOCAL

Loc.No	Part No	Desc and Spec	Remark
R807	2007-001446	R-CHIP,MELF;910OHM,5%,1/8W,DB,BK,2012	
R808	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R809	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R810	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R811	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R812	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012	
R813	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012	
R816	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R817	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R822	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R823	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R835	2004-001290	R-METAL;820OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
SW801	3408-000127	SWITCH-SLIDE;12V,100MA,-,-	SME LOCAL
670	**DO NOT ORDER**	**ASSY-F/TIMER**	**(S.N.A)**
C701	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL
C702	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C703	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3.5X19,-	
C704	2401-001952	C-AL;4.7UF,20%,50V,-,TP,6.3X7,5	SME LOCAL
C705	2401-001893	C-AL;100UF,20%,16V,GP,TP,6.3X7MM,5	SME LOCAL
C706	2202-000807	C-CERAMIC,MLC-AXIAL;22NF,+80-20%,25V,Y5V,TP,3.5X	
C707	2202-000243	C-CERAMIC,MLC-AXIAL;33PF,5%,50V,SL,3.5X19,-,TP	
C708	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X19,-,TP	SME LOCAL
C709	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X19,-,TP	SME LOCAL
C710	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X19,-,TP	SME LOCAL
C711	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C712	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3.5X19,-	
C714	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5 **(FRONT A/V OPT.)**	SME LOCAL
CN701	3710-000545	CONNECTOR-SOCKET;20P,1R,1.5MM,STRAIGHT,SN	SME LOCAL
D703	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D706	0401-000101	DIODE-SWITCHING;1N4148,100V **(FRONT A/V OPT.)**	SME LOCAL
D708	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D710	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D711	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D712	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D718	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D723	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D725	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D728	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D730	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D736	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D737	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D738	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D739	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D741	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D742	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D743	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D744	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D745	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
D746	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS	SME LOCAL
DT701	AC07-20050J	VF-DISPLAY;SVV-8MS11,15SEG,101.5X21.5,-	
IC701	1003-001039	IC-VFD;UPD16311GC-AB6,QFP,52P,-,-,-40	
JK702	AC37-22001T	JACK-PIN;DSPS-8805-03W,PI4,3P **(FRONT A/V OPT.)**	SME LOCAL
JK703	3722-000433	JACK-PIN;1P/1C,PI3.3,SN,YEL,- **(FRONT A/V OPT.)**	SME LOCAL
JS701	3406-001015	SWITCH-ROTARY;5V,10MA,DP5T **(SHUTTLO OPT.)**	
L701	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L703	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
LD701	0601-000497	LED;ROUND,GRN,3MM,565NM	
Q701	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
R701	2004-000292	R-METAL;12OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R702	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R703	2004-000790	R-METAL;330OHM,5%,1/4W,AA,TP **(FRONT A/V OPT.)**	SME LOCAL
R704	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R705	2004-000292	R-METAL;12OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R706	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP **(SHUTTLE OPT.)**	SME LOCAL
R707	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP **(SHUTTLE OPT.)**	SME LOCAL
R708	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP **(SHUTTLE OPT.)**	SME LOCAL
R709	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP **(SHUTTLE OPT.)**	SME LOCAL
R711	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP **(SHUTTLE OPT.)**	SME LOCAL
R712	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP **(SHUTTLE OPT.)**	SME LOCAL
R713	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP **(SHUTTLE OPT.)**	SME LOCAL
R714	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP **(SHUTTLE OPT.)**	SME LOCAL
R716	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R717	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R718	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R719	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R720	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R721	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R722	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R726	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R727	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R728	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R729	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R730	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R731	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R732	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R733	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R734	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
RM701	AC59-62001G	MODULE-REMOCON;TFMR5380,38KHZ,-,-,-,-	
SW701	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW703	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW704	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW705	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW706	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW707	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW709	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW710	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW711	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW712	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW713	3404-001008	SWITCH-TACT;12V,20MA,160+-50 **(NO SHUTTLE OPT.)**	
SW714	3404-001008	SWITCH-TACT;12V,20MA,160+-50 **(NO SHUTTLE OPT.)**	
SW715	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
ZD701	62169-403-833	DIODE ZENER;UZ 5.6BH	
ZD702	0403-000555	DIODE-ZENER;MTZ30D,30V,29.02-30.51V,500MW,	
		REMOCON-ASSY	
	AC59-10345A	SV-A40GK/SV-A80GK/SV-205G/SV-405G	
	AC59-10329N	SV-A20GK/SV-A60GK/SV-200G/SV-400G	
	64043-0166-00	DOOR-BATTERY;ABS94HB T2 D/GRY NR-3346	
CT1	2401-001954	C-AL;4.7UF,20%,50V,GP,BK,5X11MM,5	SME LOCAL
CT2	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
CT3	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
ICT1	AC09-12014C	IC-MCU;KS51810-76,QFP,V-PAL	SME LOCAL
LDT1	A4150-0168	LED-INFRARED;SI5312-H NTR 940NM/1.4V	SME LOCAL
QT1	0501-000534	TR-SMALL SIGNAL;2SC2412K,NPN,200MW,SOT-23,TP	SME LOCAL
RT1	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	SME LOCAL
XT01	64539-102-311	CERAMIC RESONATOR;CSB455EBL/KBR455BKTL	

MEMO

8. Block Diagrams

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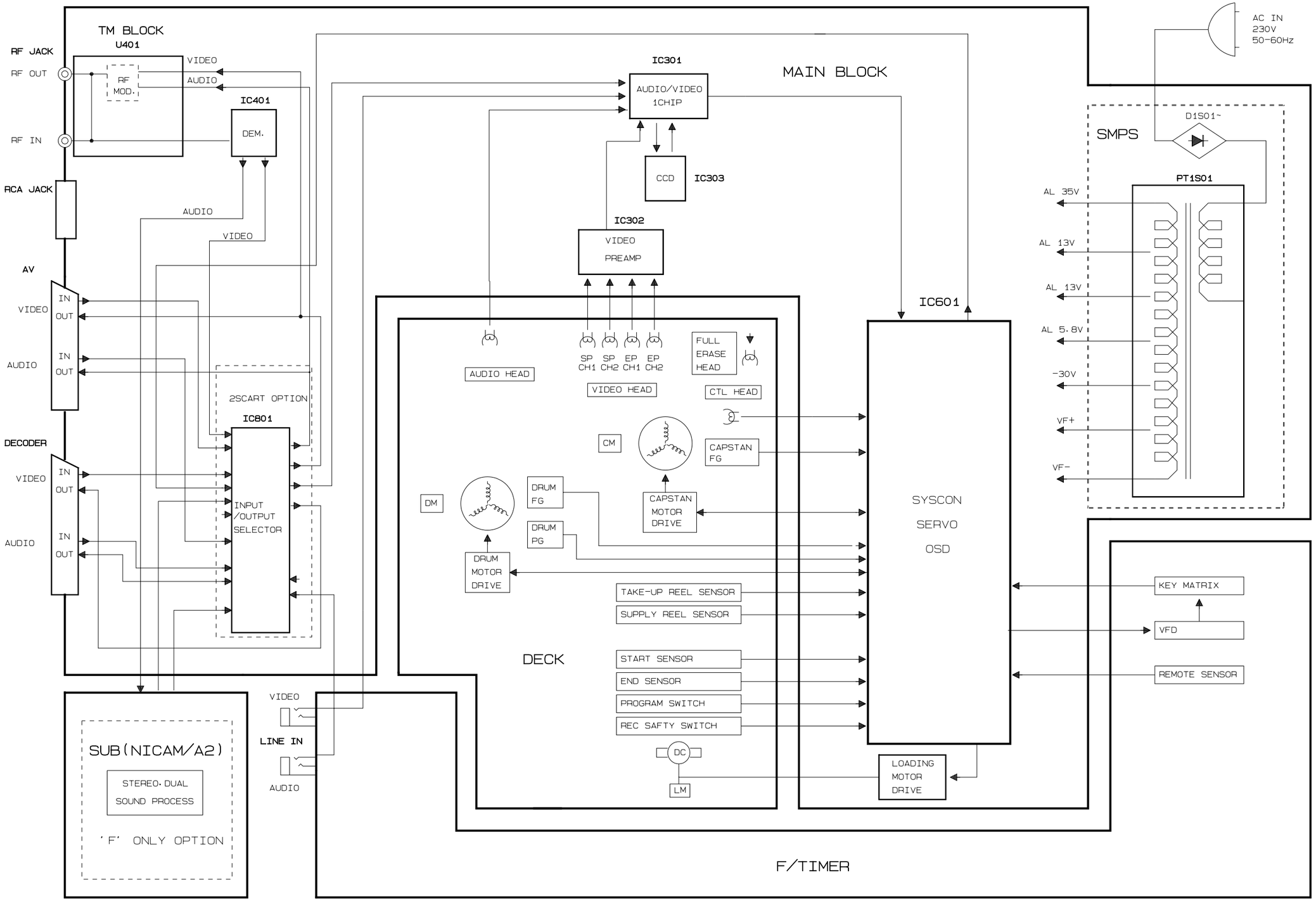
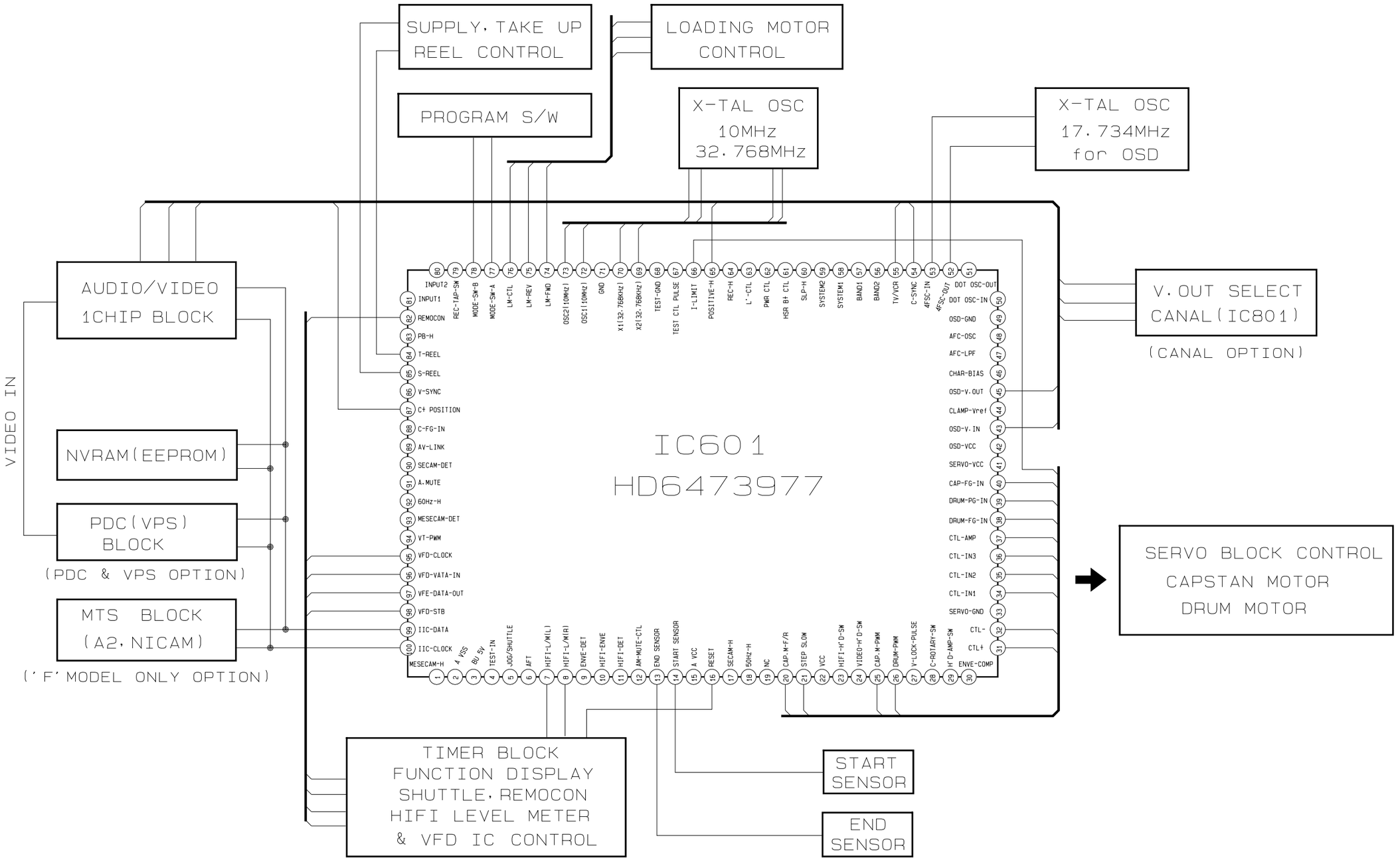
8-3	Video	8-4

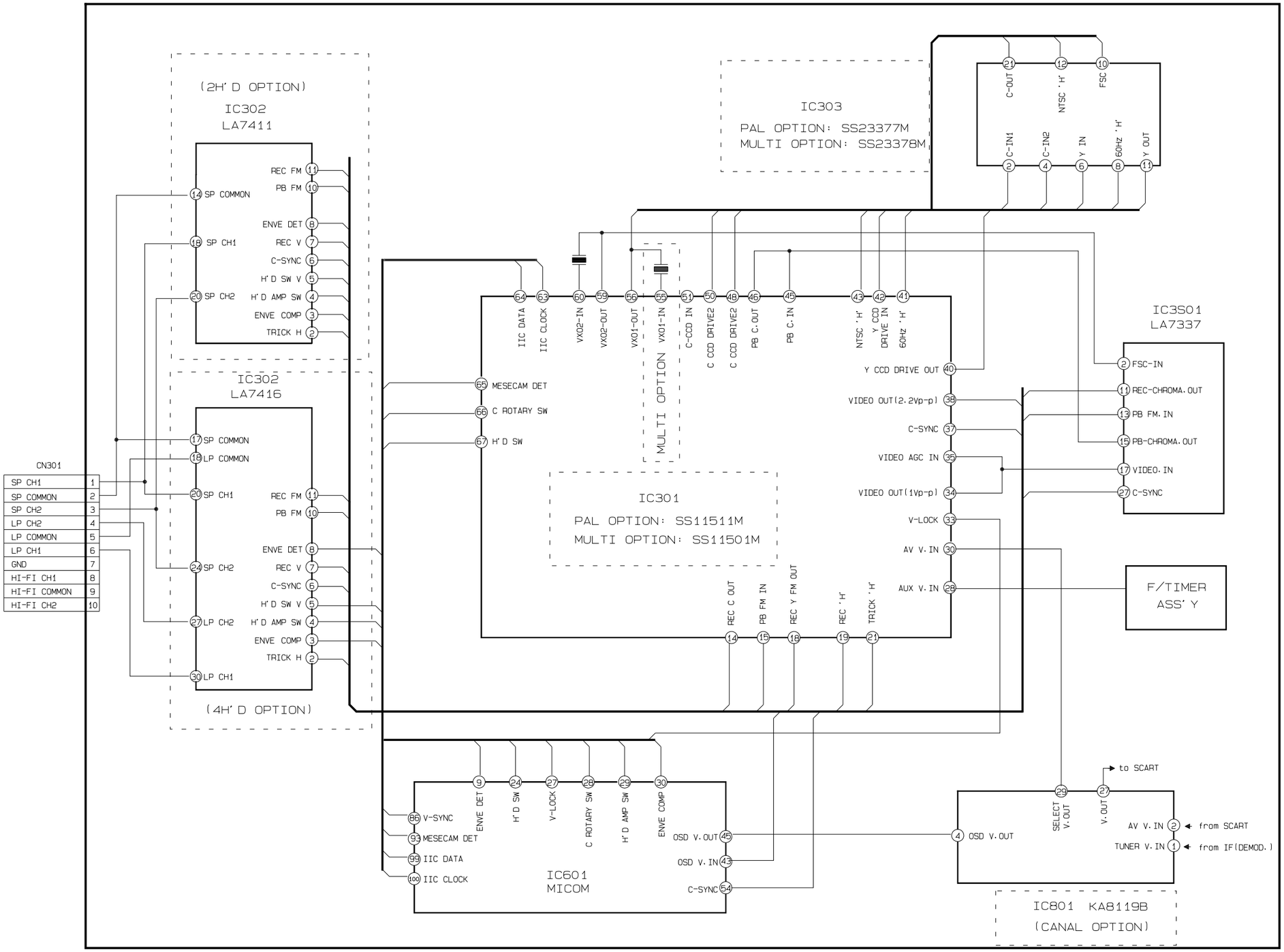
8-1 Overall Block Diagram



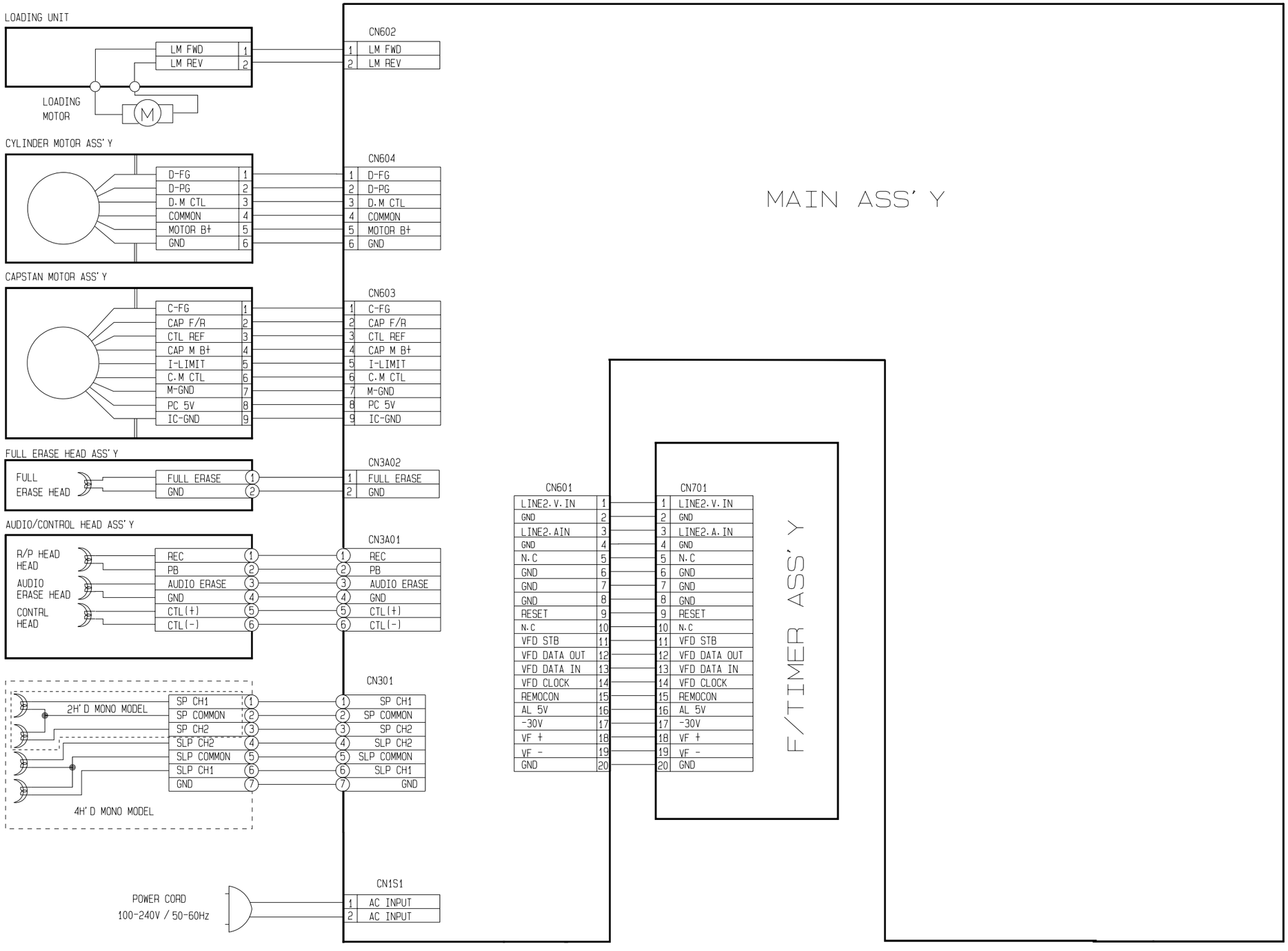
8-2 System Control



8-3 Video


(2H' D OPTION)
IC302
LA7411
REC FM 11
PB FM 10
14 SP COMMON
ENVE DET 8
18 SP CH1
REC V 7
C-SYNC 6
H' D SW V 5
20 SP CH2
H' D AMP SW 4
ENVE COMP 3
TRICK H 2
IC302
LA7416
17 SP COMMON
16 LP COMMON
20 SP CH1
REC FM 11
PB FM 10
ENVE DET 8
24 SP CH2
REC V 7
C-SYNC 6
H' D SW V 5
27 LP CH2
H' D AMP SW 4
ENVE COMP 3
TRICK H 2
30 LP CH1
(4H' D OPTION)
CN301
SP CH1 1
SP COMMON 2
SP CH2 3
LP CH2 4
LP COMMON 5
LP CH1 6
GND 7
HI-FI CH1 8
HI-FI COMMON 9
HI-FI CH2 10
IC303
PAL OPTION: SS23377M
MULTI OPTION: SS23378M
21 C-OUT
12 NTSC 'H'
10 FSC
2 C-IN1
4 C-IN2
6 Y IN
8 60Hz 'H'
11 Y OUT
64 IIC DATA
63 IIC CLOCK
60 VXO2-IN
59 VXO2-OUT
56 VXO1-OUT
55 VXO1-IN
51 C-CCD IN
50 C CCD DRIVE2
48 C CCD DRIVE2
46 PB C.OUT
45 PB C.IN
43 NTSC 'H'
42 Y CCD DRIVE IN
41 60Hz 'H'
MULTI OPTION
65 MESECAM DET
66 C ROTARY SW
67 H' D SW
IC301
PAL OPTION: SS11511M
MULTI OPTION: SS11501M
Y CCD DRIVE OUT 40
VIDEO OUT(2.2Vp-p) 38
C-SYNC 37
VIDEO AGC IN 35
VIDEO OUT(1Vp-p) 34
V-LOCK 33
AV V.IN 30
AUX V.IN 28
REC C OUT 14
PB FM IN 15
REC Y FM OUT 18
REC 'H' 19
TRICK 'H' 21
IC3501
LA7337
2 FSC-IN
11 REC-CHROMA.OUT
13 PB FM.IN
15 PB-CHROMA.OUT
17 VIDEO.IN
27 C-SYNC
F/TIMER
ASS'Y
9 ENVE DET
24 H' D SW
27 V-LOCK
28 C ROTARY SW
29 H' D AMP SW
30 ENVE COMP
86 V-SYNC
93 MESECAM DET
99 IIC DATA
100 IIC CLOCK
IC601
MICOM
OSD V.OUT 45
OSD V.IN 43
C-SYNC 54
to SCART
29 SELECT V.OUT
27 V.OUT
4 OSD V.OUT
AV V.IN 2 ◄ from SCART
TUNER V.IN 1 ◄ from IF(DEMOD.)
IC801 KA8119B
(CANAL OPTION)

10. Wiring Diagram



11. Schematic Diagrams

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11-2 System Control/Servo ---------- 11-4

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11-10 Remote-Control ---------- 11-16

Note

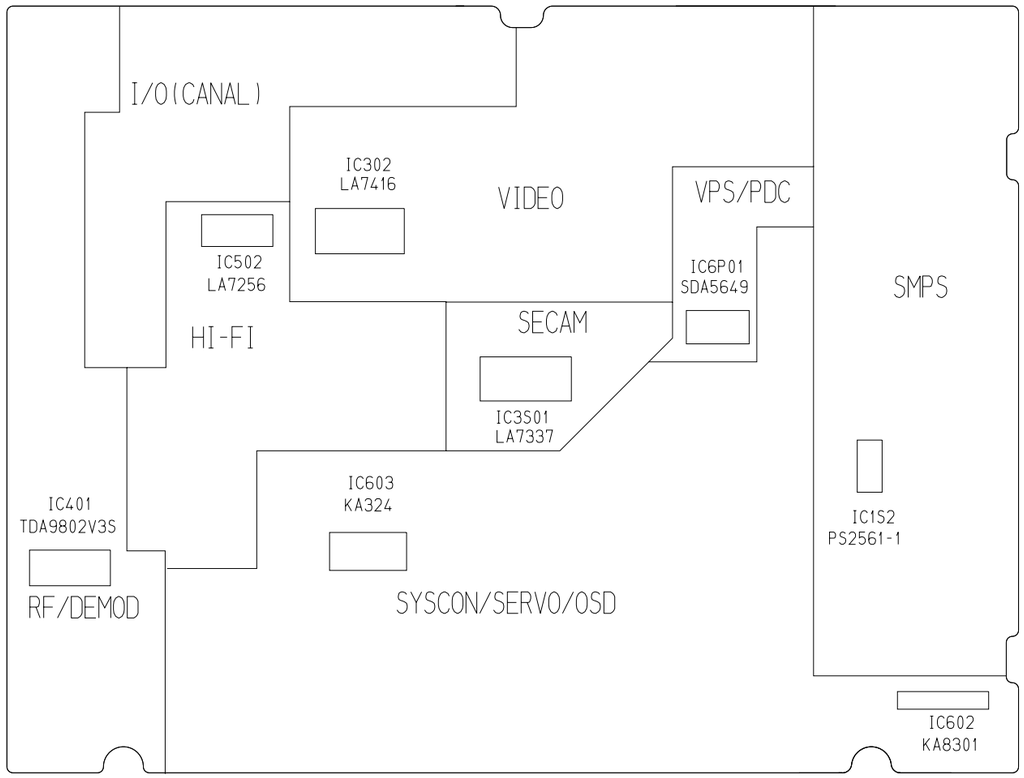
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.
- Circled numbers refer to waveforms.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the “electrostatically sensitive (ES) devices” section of this service manual.

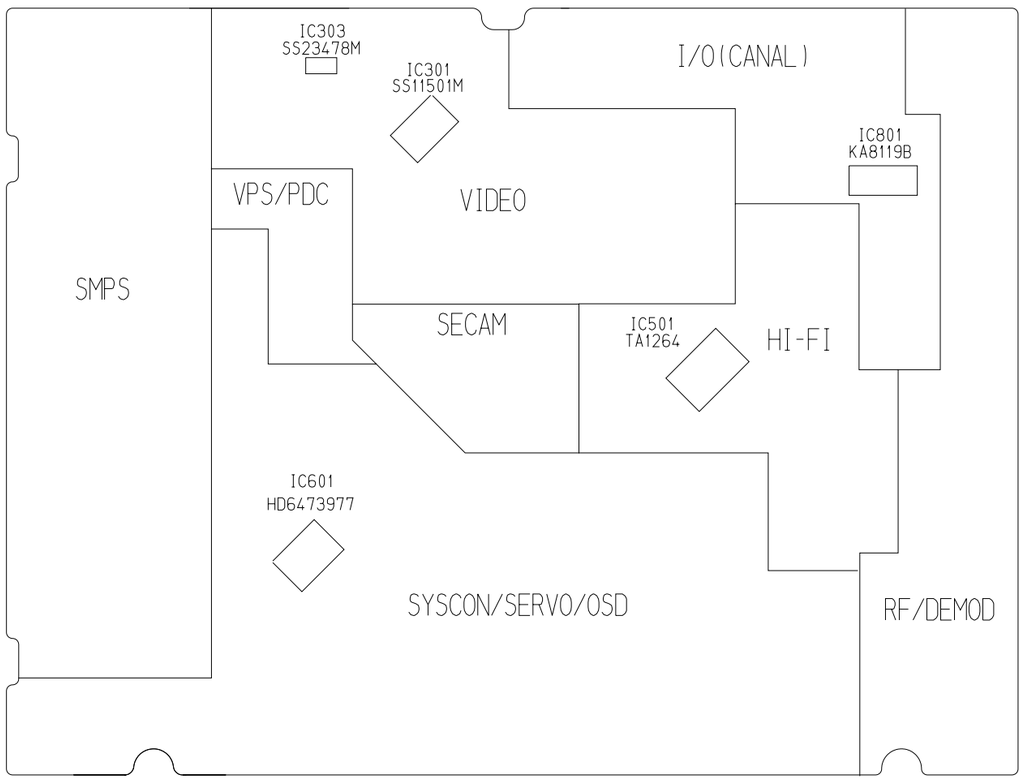
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components. Use only the same type.

◆ Block Identification of Main PCB

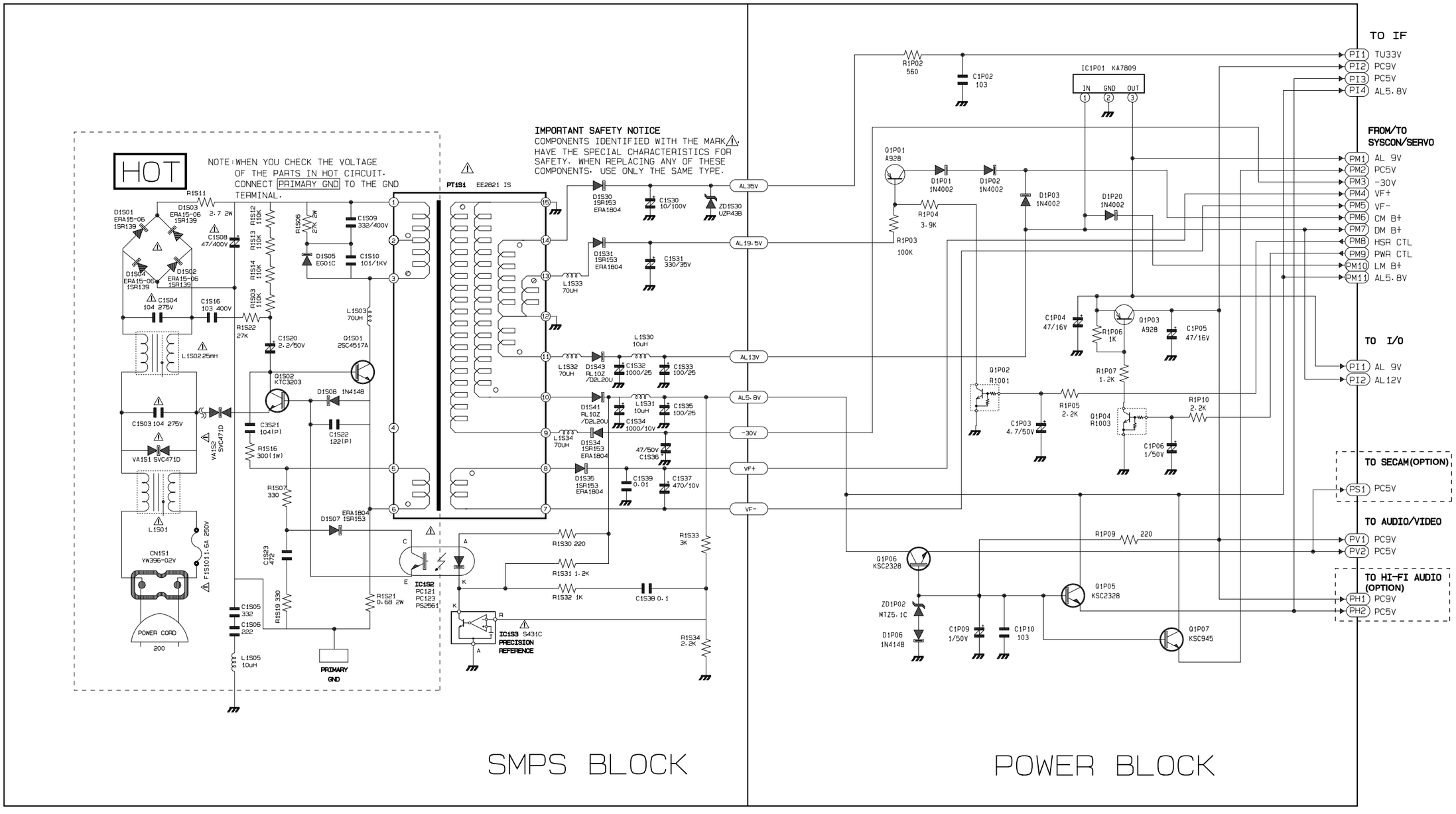


(Component Side)

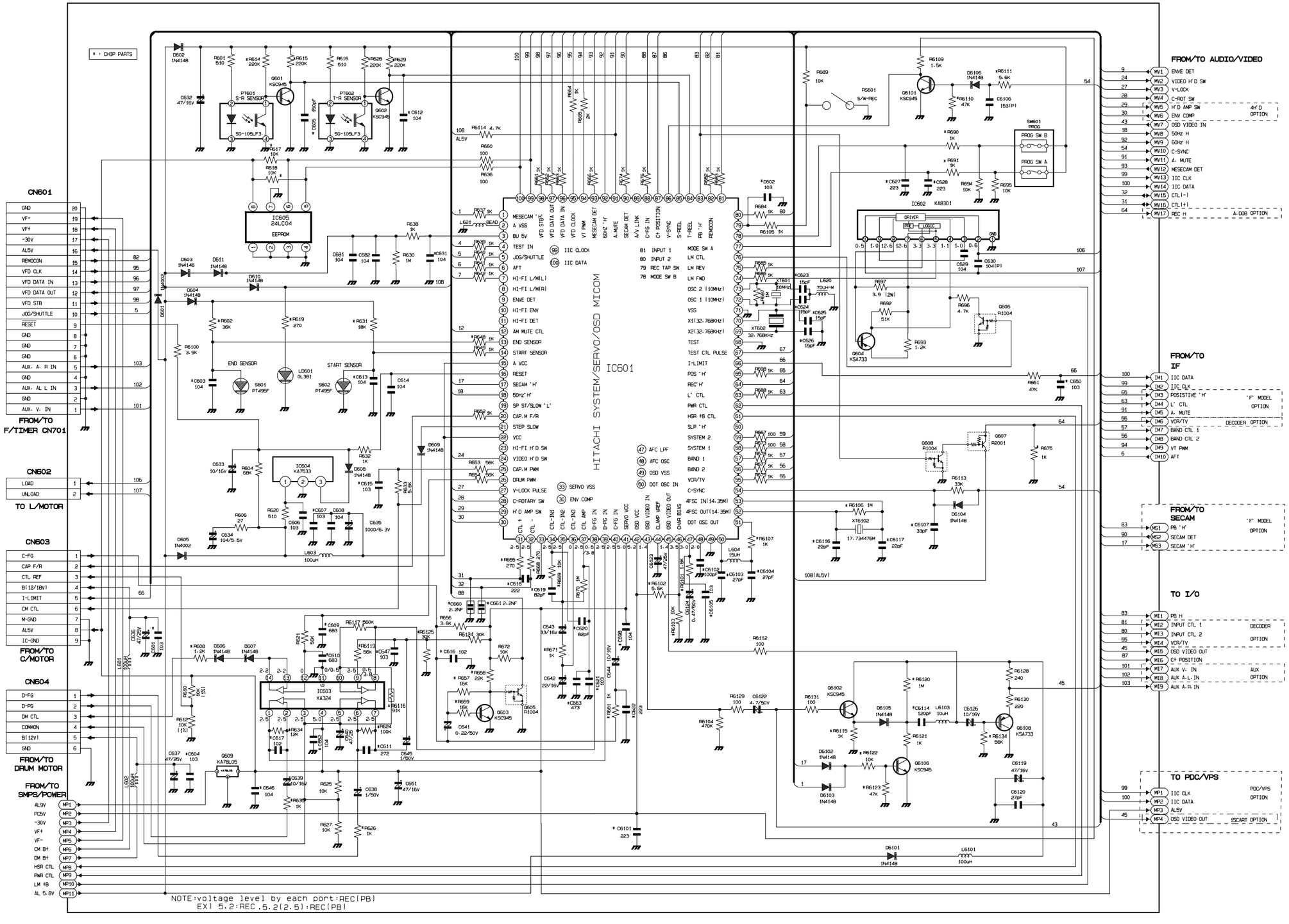


(Conductor Side)

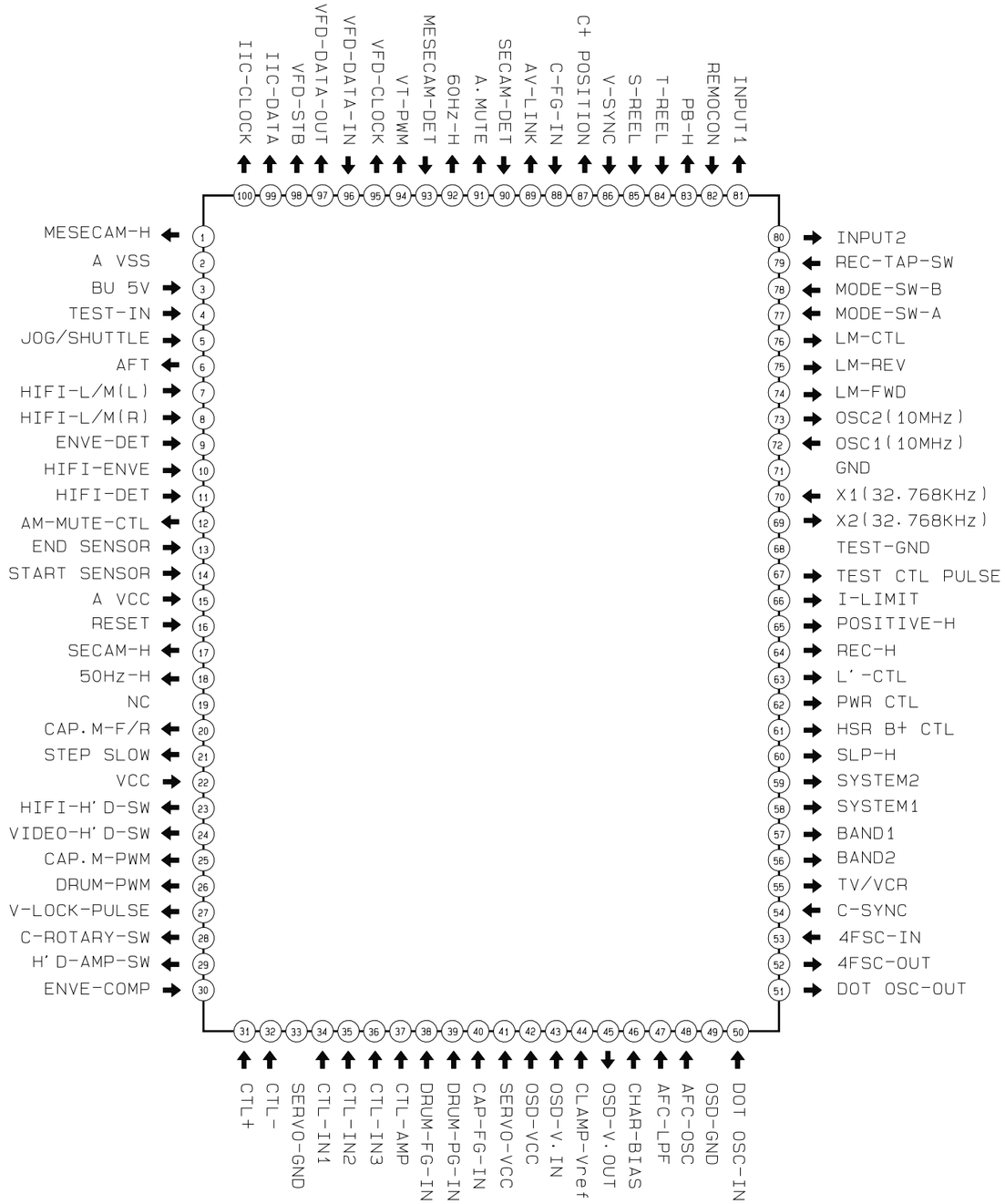
11-1 S.M.P.S/POWER



11-2 System Control/Servo

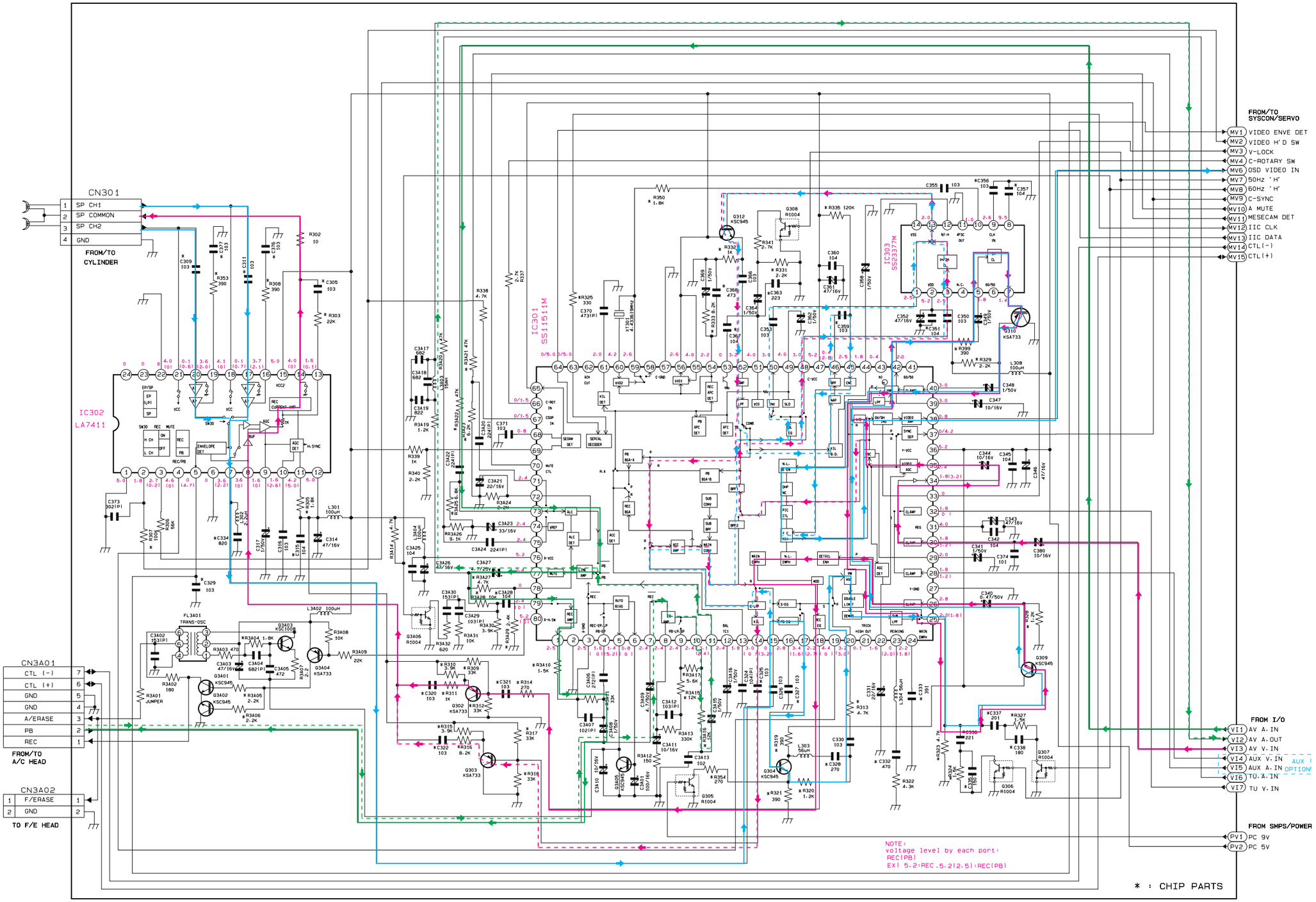


IC601 HD6433977-RA10F

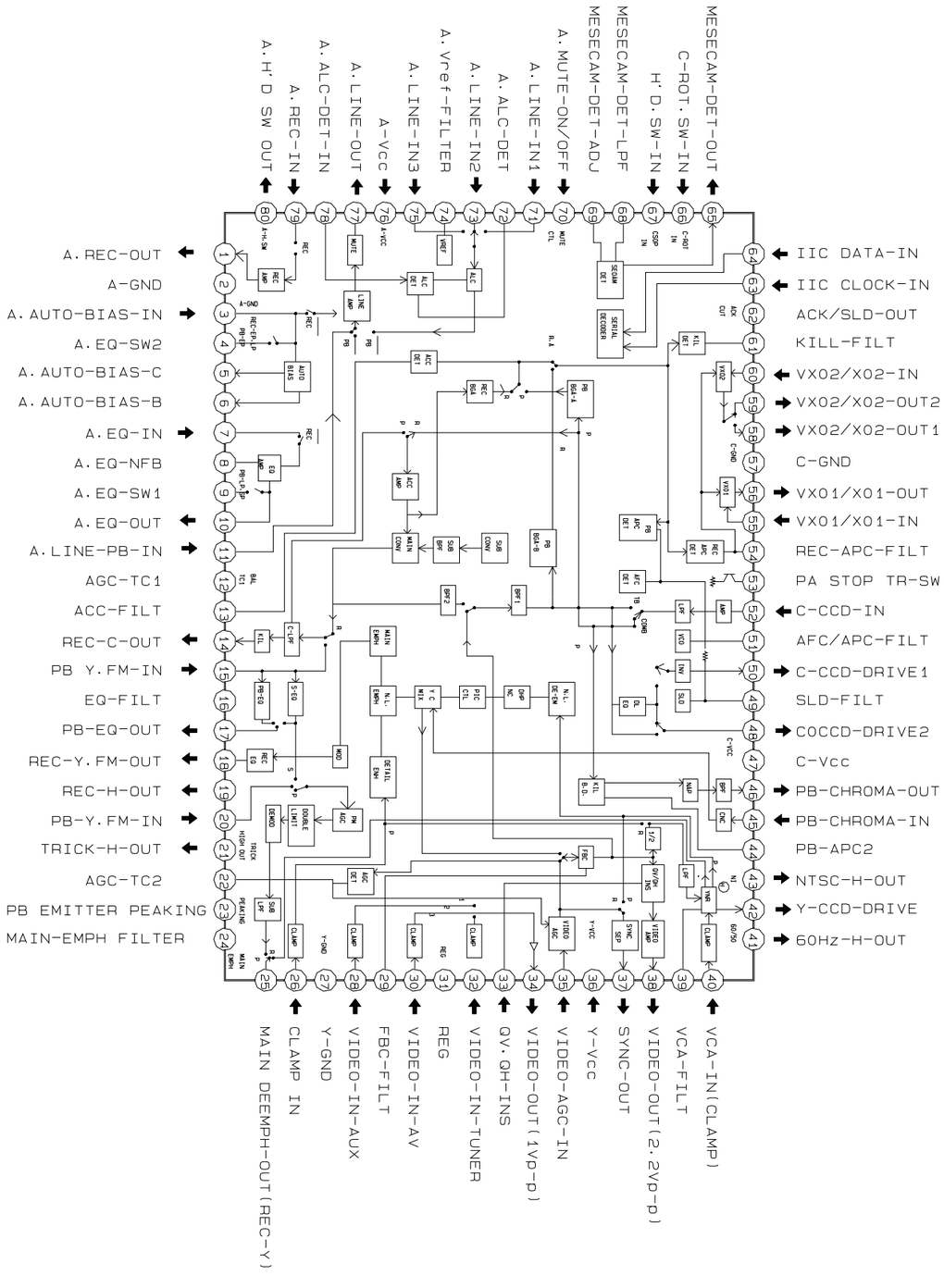


11-3 Audio/Video (SV-A20GK/A40GK/SV-200G/205G)

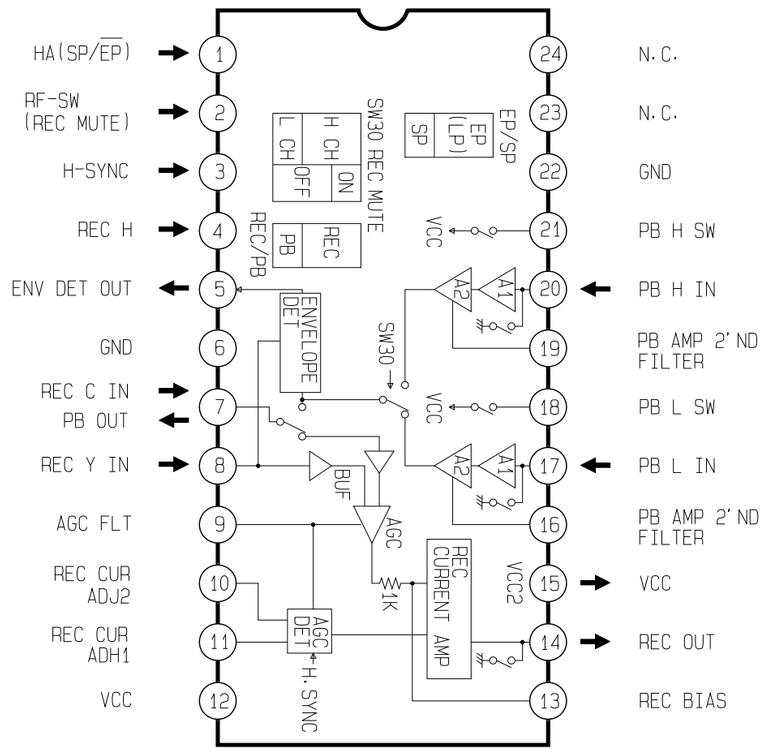
REC Y PROCESS
REC C PROCESS
PB Y PROCESS
PB C PROCESS
REC LINEAR AUDIO
PB LINEAR AUDIO



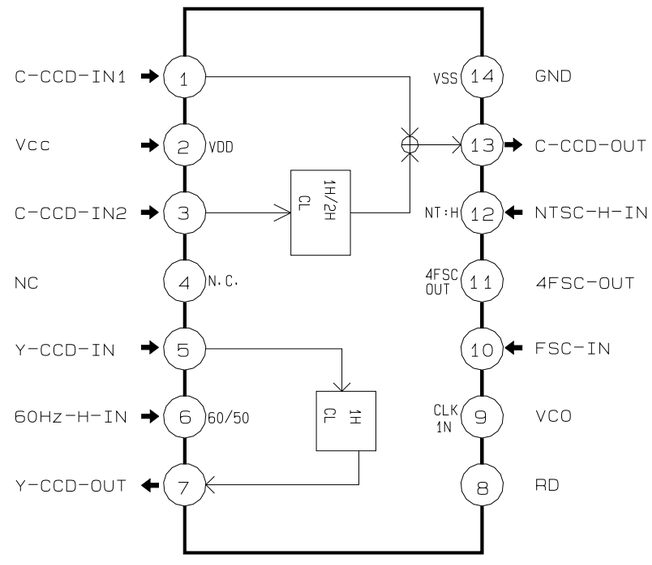
IC301 SS11511M



IC302 LA7411

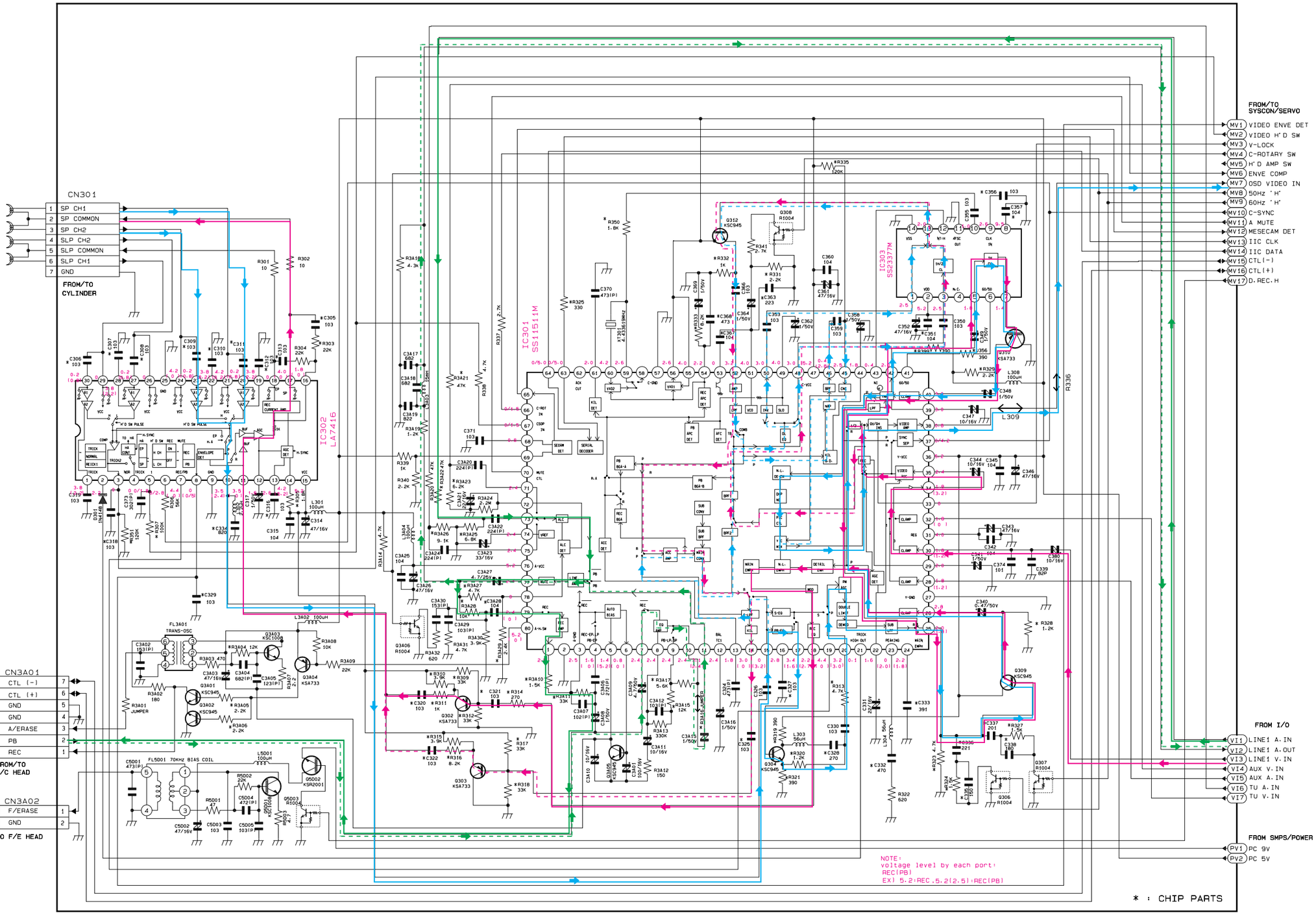


IC303 SS23377M

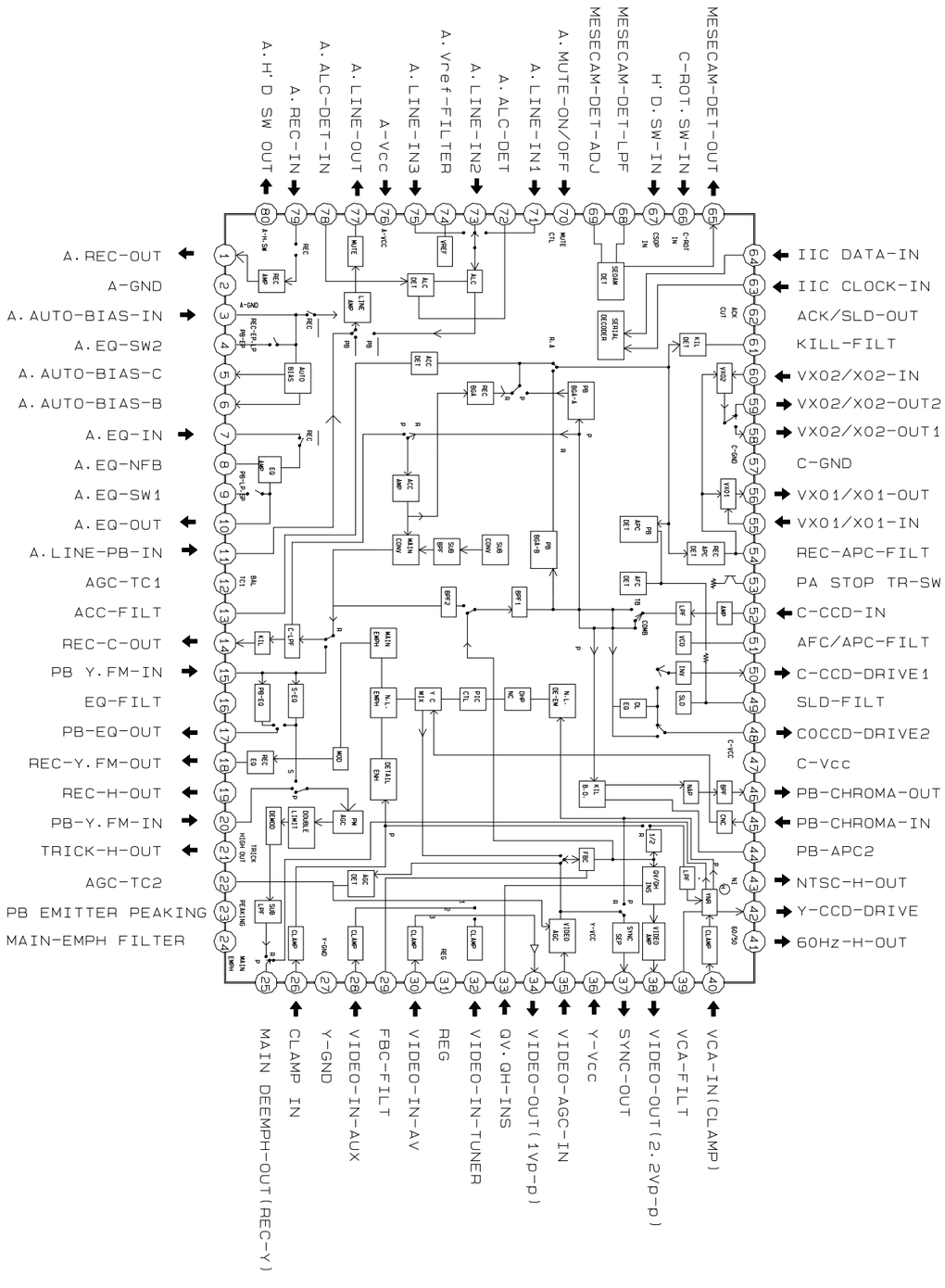


11-4 Audio/Video (SV-A60G/A80G/SV-400G/405G)

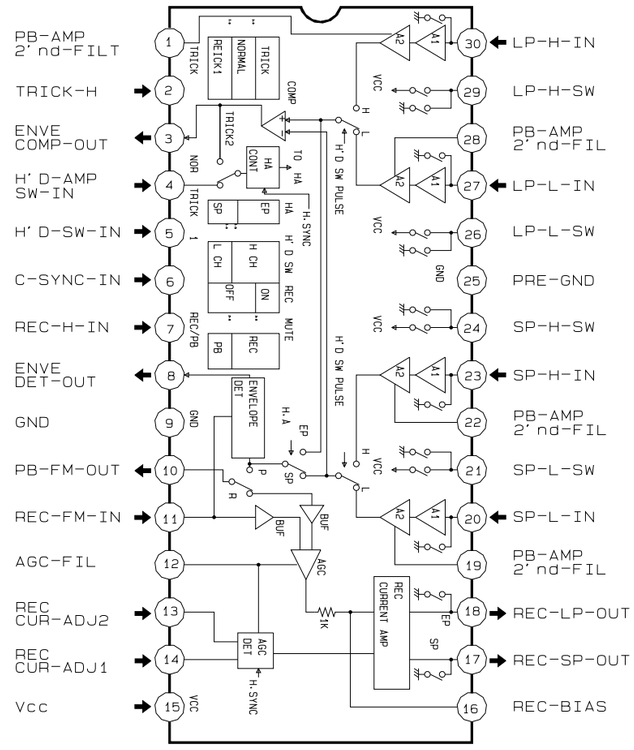
REC Y PROCESS
REC C PROCESS
PB Y PROCESS
PB C PROCESS
REC LINEAR AUDIO
PB LINEAR AUDIO



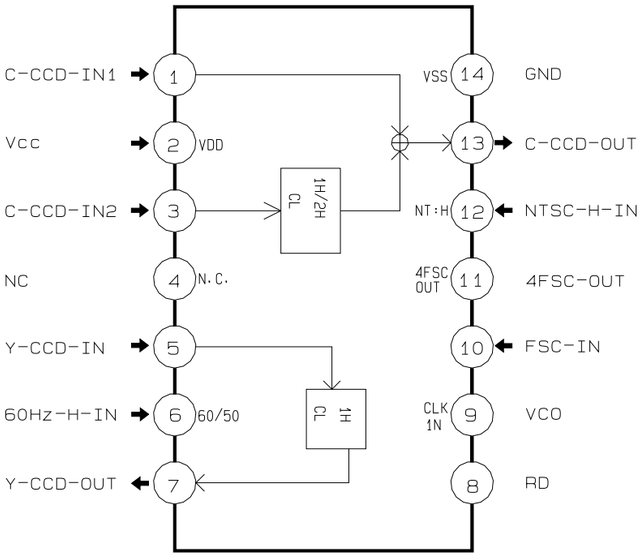
IC301 SS11511M



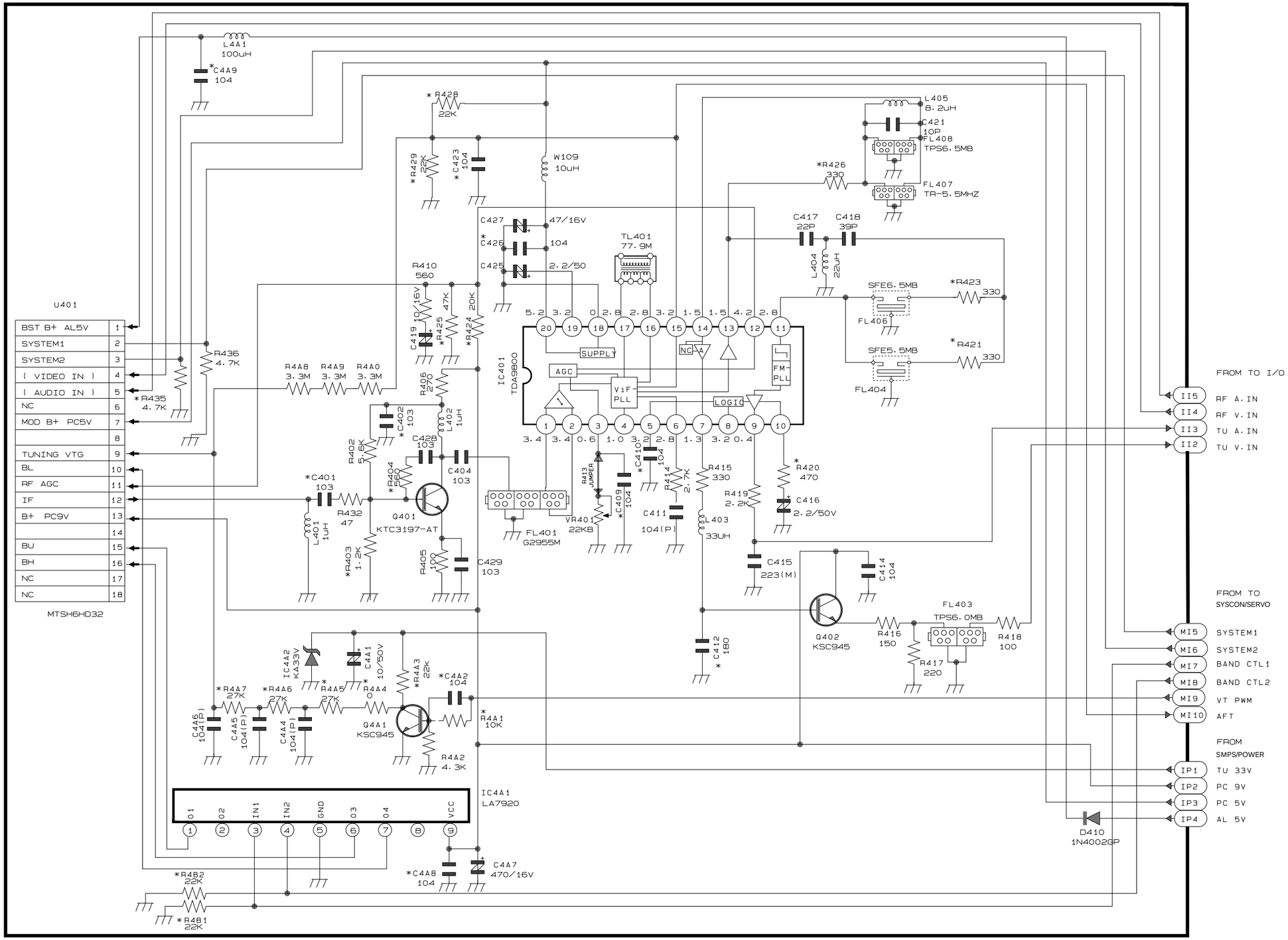
IC302 LA7416



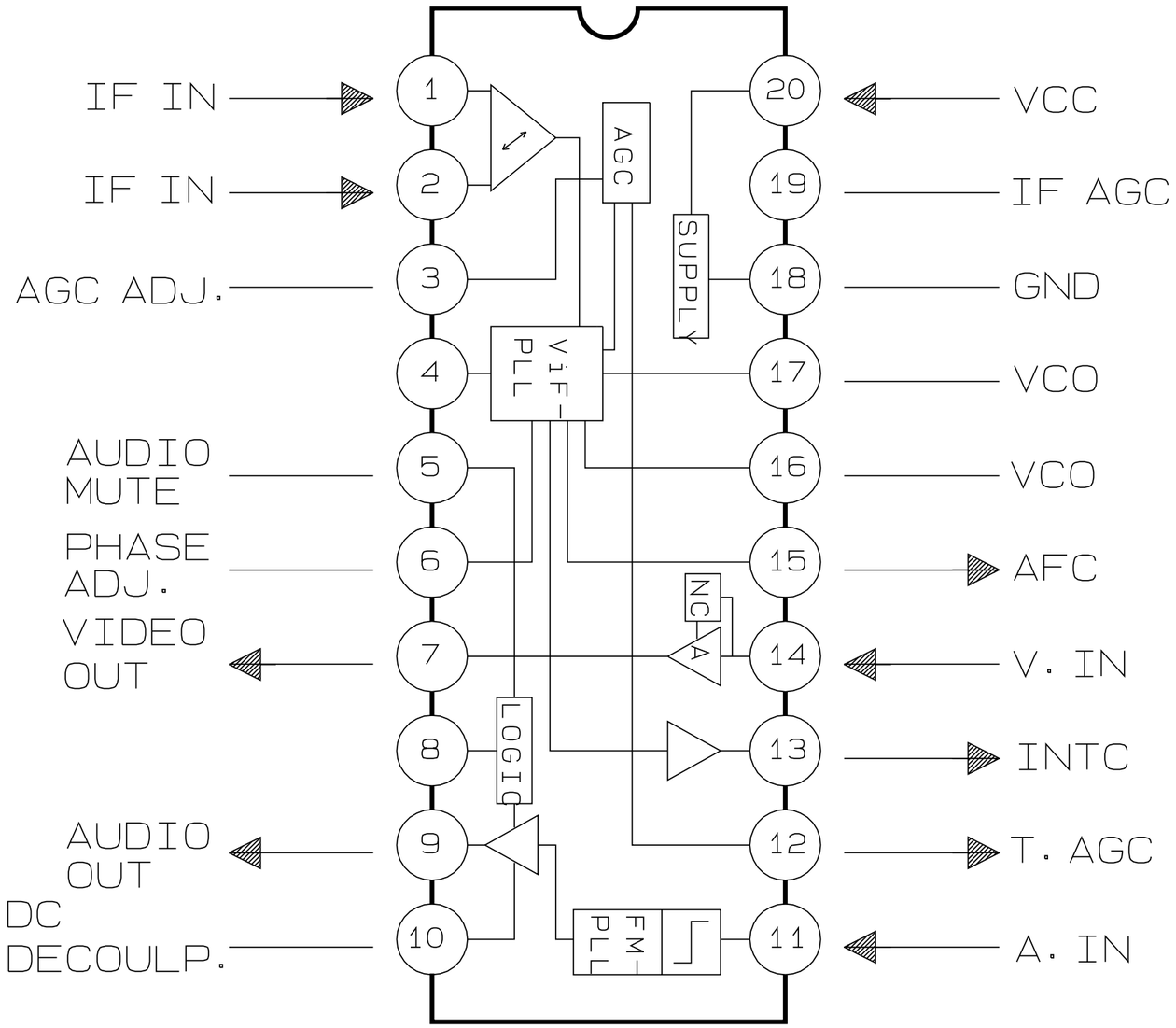
IC303 SS23377M



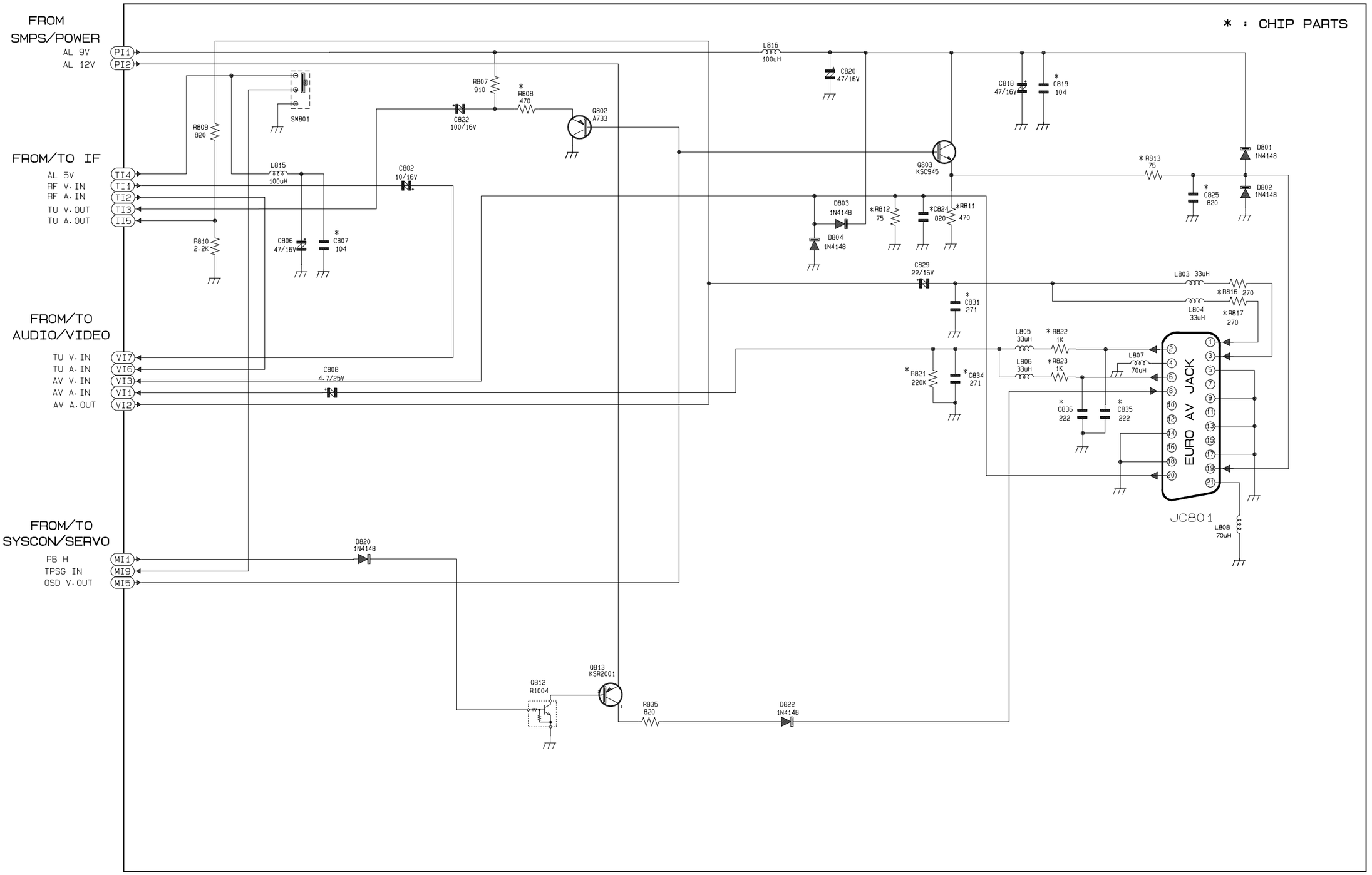
11-5 IF


U401
BST B+ AL5V 1
SYSTEM1 2
SYSTEM2 3
(VIDEO IN) 4
(AUDIO IN) 5
NC 6
MOD B+ PC5V 7
8
TUNING VTG 9
BL 10
RF AGC 11
IF 12
B+ PC9V 13
14
BU 15
BH 16
NC 17
NC 18
MTSH6HD32
L4A1 100uH
*C4A9 104
* R428 22K
*R429 22K
* C423 104
W109 10uH
C427 47/16V
* C426 104
C425 2.2/50
TL401 77.9M
R410 560
C419 10 16V
*R425 47K
*R424 20K
R436 4.7K
*R435 4.7K
R4A8 3.3M
R4A9 3.3M
R4A0 3.3M
R406 270
IC401 TDA9800
SUPPLY
AGC
VIF PLL
NC
A
FM-PLL
LOGIC
5.2 3.2 0 2.8 2.8 3.2 1.5 1.5 4.2 2.8
20 19 18 17 16 15 14 13 12 11
1 2 3 4 5 6 7 8 9 10
3.4 3.4 0.6 1.0 3.0 2.8 1.3 3.2 0.4
*C402 103
L402 1uH
R402 5.6K
C428 103
C404 103
R404 560
*C401 103
R432 47
L401 1UH
Q401 KTC3197-AT
*R403 1.2K
R405 100
C429 103
FL401 G2955M
R413 JUMPER
VR401 22KB
*C409 104
*C410 104
R414 2.7K
C411 104(P)
R415 330
L403 33UH
*R420 470
R419 2.2K
C416 2.2/50V
C415 223(M)
C414 104
C412 180
L405 8.2uH
C421 10P
FL408 TPS6.5MB
*R426 330
FL407 TR-5.5MHZ
C417 22P
C418 39P
L404 22uH
SFE6.5MB
FL406
*R423 330
*R421 330
SFE5.5MB
FL404
Q402 KSC945
R416 150
FL403 TPS6.0MB
R417 220
R418 100
IC4A2 KA33V
C4A1 10/50V
*R4A3 22K
*C4A2 104
*R4A7 27K
*R4A6 27K
*R4A5 27K
*R4A4 0
C4A6 104(P)
C4A5 104(P)
C4A4 104(P)
Q4A1 KSC945
*R4A1 10K
R4A2 4.3K
IC4A1 LA7920
01 02 IN1 IN2 GND 03 04 VCC
1 2 3 4 5 6 7 8 9
*C4A8 104
C4A7 470/16V
*R4B2 22K
*R4B1 22K
D410 1N4002GP
FROM TO I/O
II5 RF A.IN
II4 RF V.IN
II3 TU A.IN
II2 TU V.IN
FROM TO SYSCON/SERVO
MI5 SYSTEM1
MI6 SYSTEM2
MI7 BAND CTL1
MI8 BAND CTL2
MI9 VT PWM
MI10 AFT
FROM SMPS/POWER
IP1 TU 33V
IP2 PC 9V
IP3 PC 5V
IP4 AL 5V

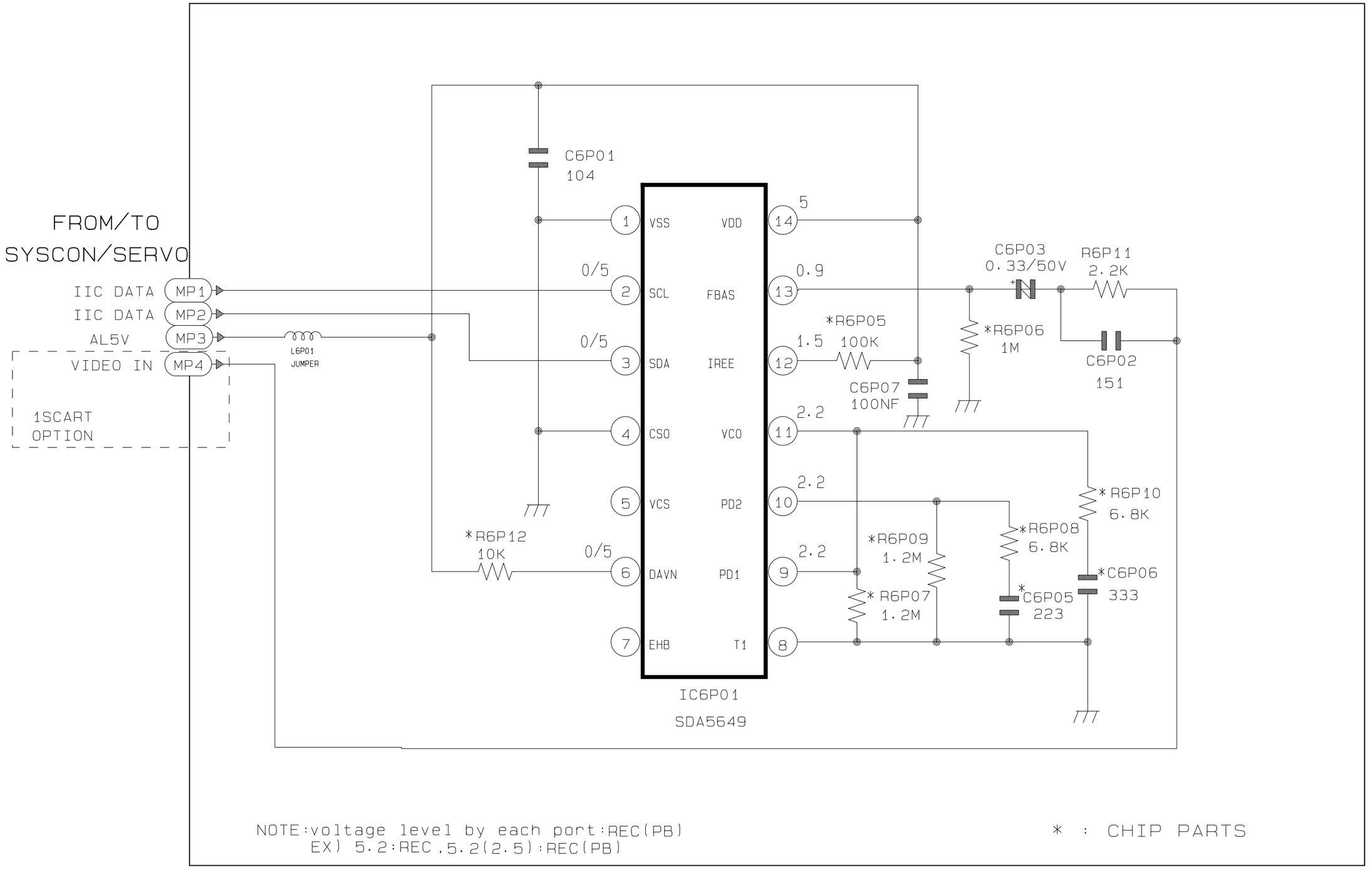
IC401 TDA9800



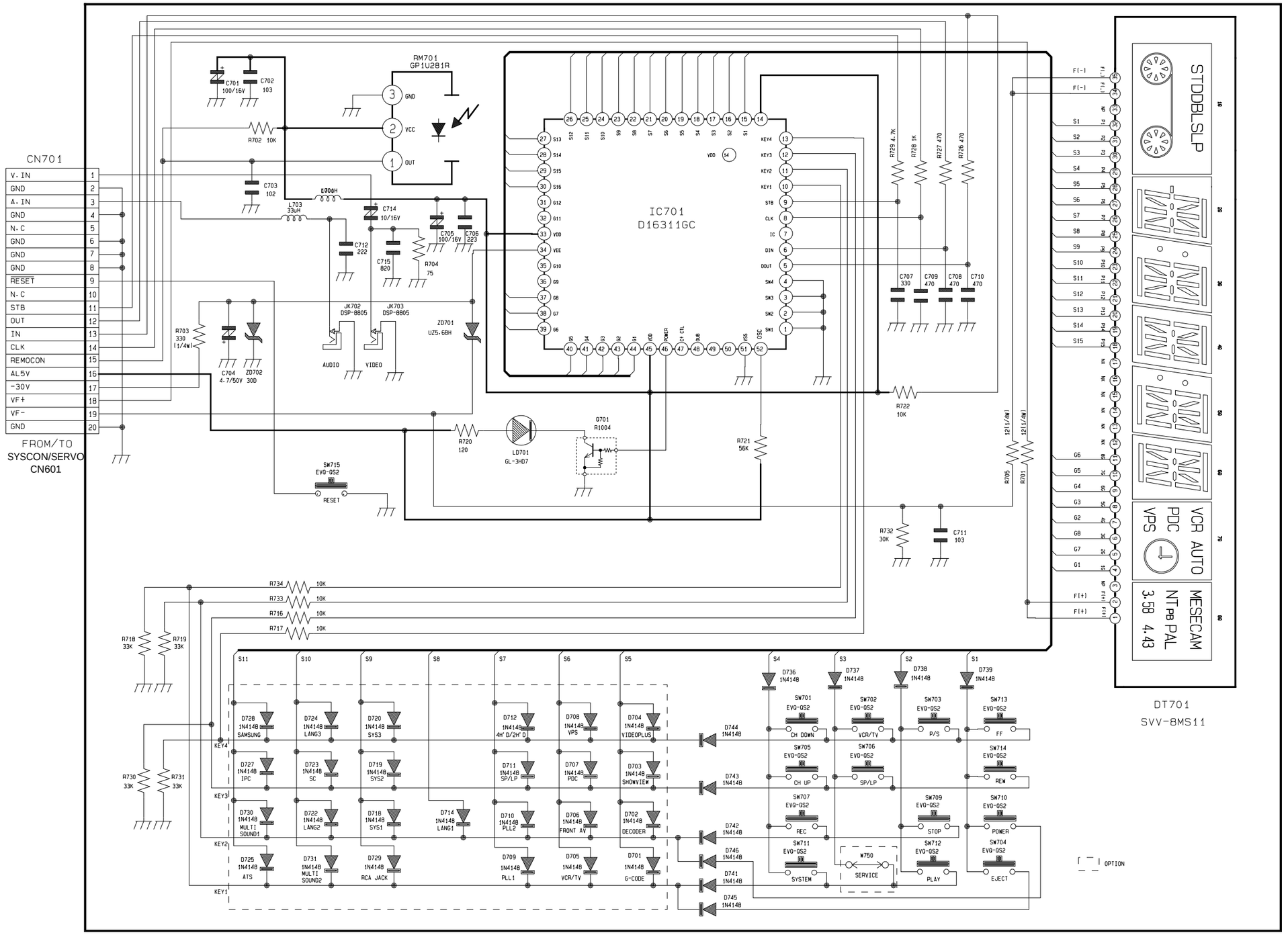
11-6 I/O


* : CHIP PARTS
FROM SMPS/POWER
AL 9V
AL 12V
PI1
PI2
FROM/TO IF
AL 5V
RF V.IN
RF A.IN
TU V.OUT
TU A.OUT
TI4
TI1
TI2
TI3
II5
FROM/TO AUDIO/VIDEO
TU V.IN
TU A.IN
AV V.IN
AV A.IN
AV A.OUT
VI7
VI6
VI3
VI1
VI2
FROM/TO SYSCON/SERVO
PB H
TPSG IN
OSD V.OUT
MI1
MI9
MI5
SW801
R809 820
R810 2.2K
L815 100uH
C806 47/16V
C807 104
C802 10/16V
C808 4.7/25V
R807 910
*R808 470
C822 100/16V
Q802 A733
L816 100uH
C820 47/16V
C818 47/16V
*C819 104
Q803 KSC945
D803 1N414B
D804 1N414B
*R812 75
*C824 820
*R811 470
C829 22/16V
*C831 271
*R813 75
D801 1N414B
D802 1N414B
*C825 820
L803 33uH
*R816 270
L804 33uH
*R817 270
L805 33uH
*R822 1K
L806 33uH
*R823 1K
L807 70uH
*R821 220K
*C834 271
*C836 222
*C835 222
EURO AV JACK
JC801
L808 70uH
D820 1N414B
Q812 R1004
Q813 KSR2001
R835 820
D822 1N414B

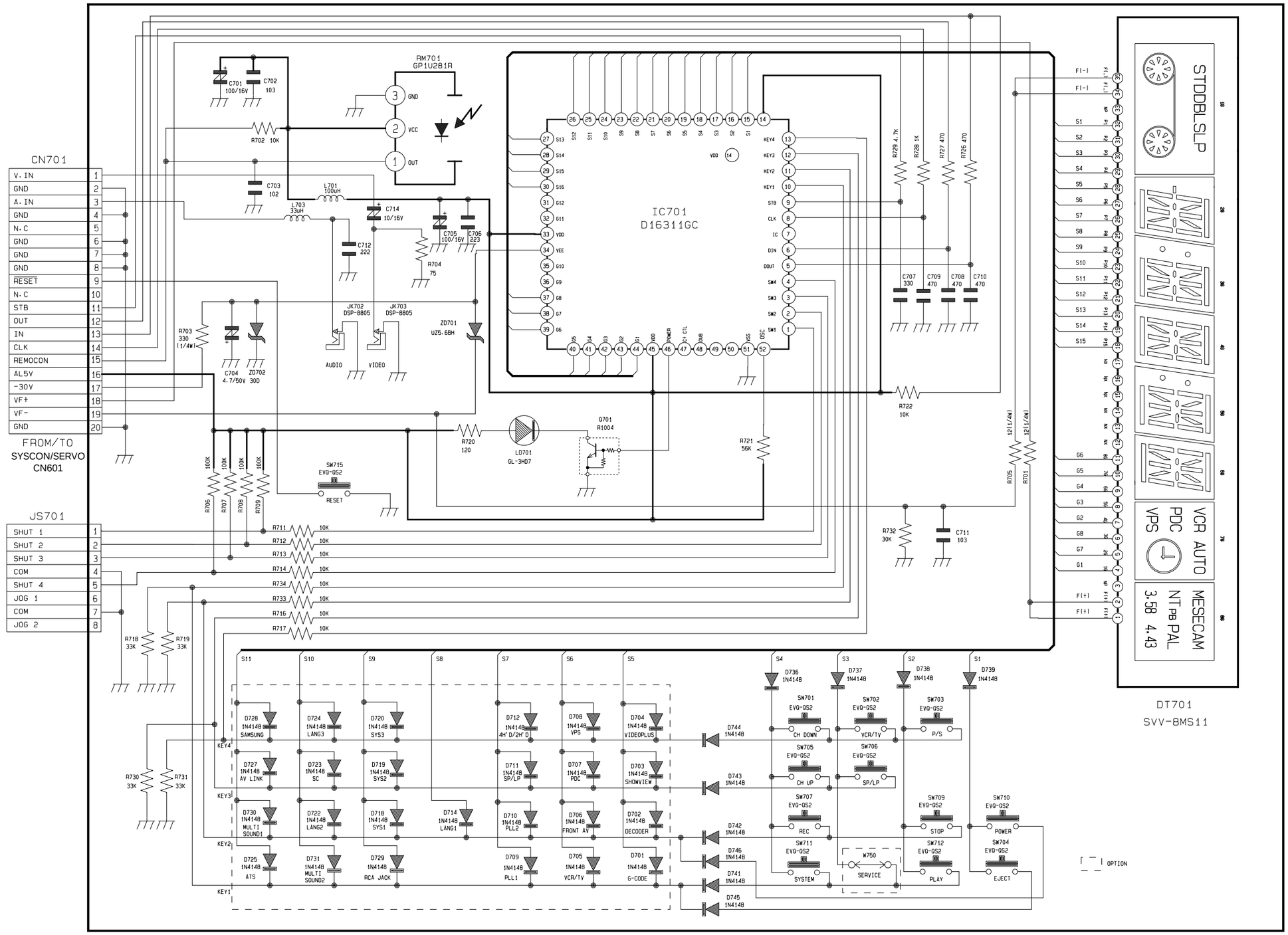
11-7 VPS


FROM/TO
SYSCON/SERVO
IIC DATA MP1
IIC DATA MP2
AL5V MP3
VIDEO IN MP4
1SCART
OPTION
L6P01
JUMPER
C6P01
104
1 VSS
2 SCL
3 SDA
4 CSO
5 VCS
6 DAVN
7 EHB
VDD 14
FBAS 13
IREE 12
VCO 11
PD2 10
PD1 9
T1 8
0/5
0/5
0/5
5
0.9
1.5
2.2
2.2
2.2
*R6P12
10K
*R6P05
100K
C6P07
100NF
C6P03
0.33/50V
R6P11
2.2K
*R6P06
1M
C6P02
151
*R6P10
6.8K
*R6P08
6.8K
*R6P09
1.2M
* R6P07
1.2M
*C6P06
333
*C6P05
223
IC6P01
SDA5649
NOTE:voltage level by each port:REC(PB)
EX) 5.2:REC ,5.2(2.5):REC(PB)
* : CHIP PARTS

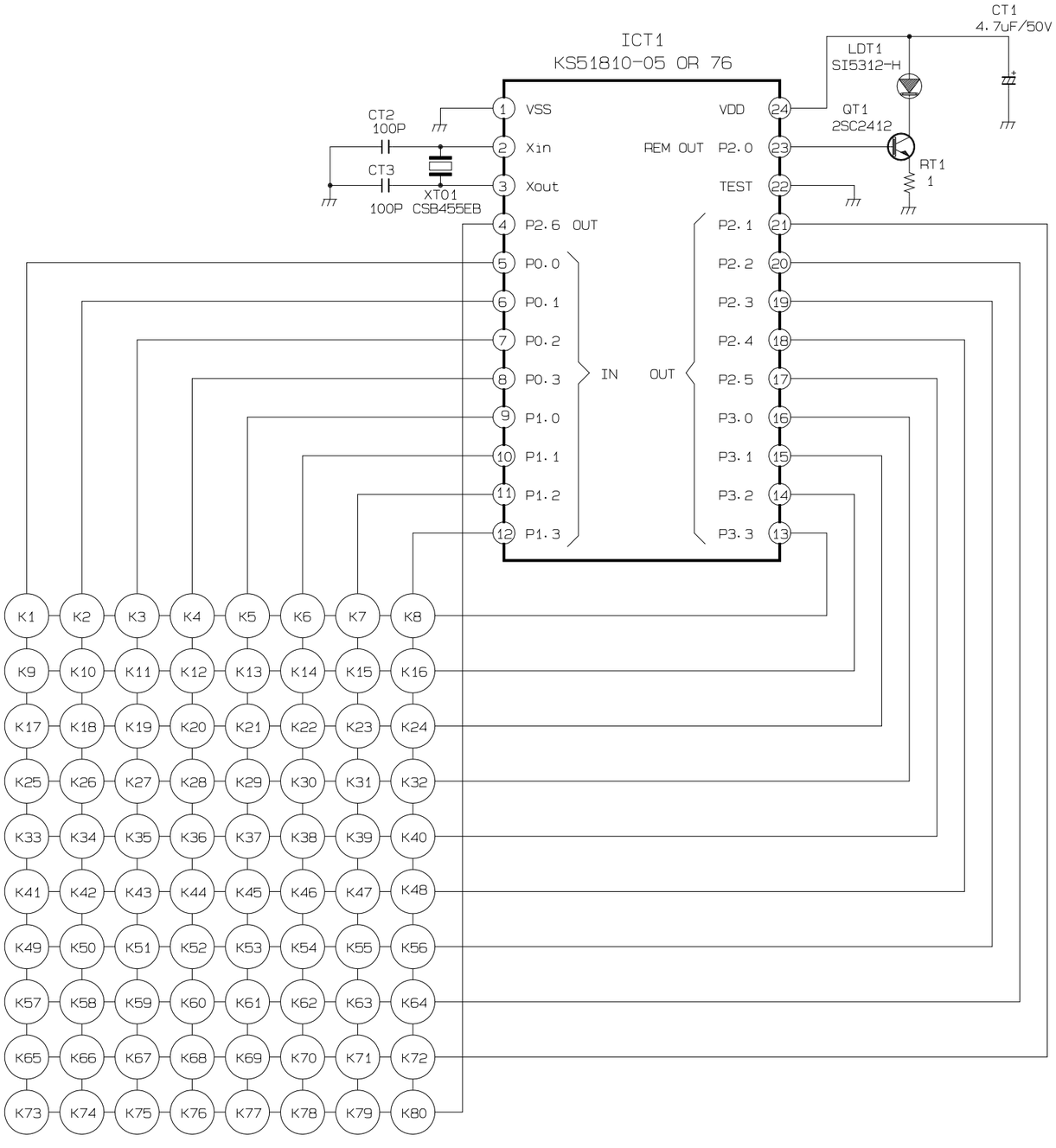
11-8 Function-Timer (SV-A20GK/SV-A60GK/SV-200G/SV-600G)



11-9 Function-Timer (SV-A40GK/SV-A80GK/SV-205G/SV-405G)



11-11 Remote-Control



FUNCTION KEY			
K1	–	K41	REW
K2	TV/VCR	K42	PLAY
K3	POWER	K43	F.F
K4	–	K44	INDEX
K5	–	K45	–
K6	–	K46	OK
K7	TEST	K47	–
K8	INDEX	K48	–
K9	CH 1	K49	–
K10	CH 2	K50	CLEAR/RESET
K11	CH 3	K51	DISPLAY
K12	–	K52	MENU
K13	TRACKING UP	K53	SYSTEM
K14	TRACKING DOWN	K54	–
K15	A.DUB	K55	–
K16	–	K56	–
K17	CH 4	K57	EJECT
K18	CH 5	K58	D.ATR
K19	CH 6	K59	OUTPUT SEL.
K20	–	K60	–
K21	VCR+	K61	◁
K22	SEARCH	K62	AFT
K23	–	K63	PICTURE
K24	CLOCK/COUNTER	K64	–
K25	CH 7	K65	INPUT SEL.
K26	CH 8	K66	SHIFT
K27	CH 9	K67	–
K28	–	K68	–
K29	–	K69	▷
K30	–	K70	–
K31	–	K71	SHUTTLE-
K32	–	K72	SHUTTLE+
K33	REC/OTR	K73	CH-DOWN
K34	STOP	K74	CH 0
K35	P/STILL	K75	CH-UP
K36	SLOW-DOWN	K76	SLOW+
K37	–	K77	VPS/PDC
K38	▽	K78	–
K39	△	K79	SP/LP
K40	–	K80	Q-PROGRAM